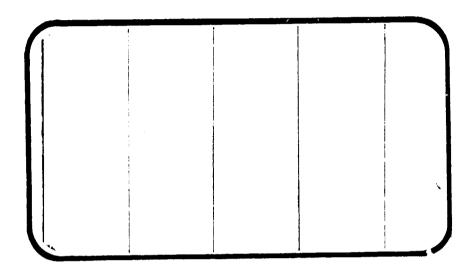
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(NASA-CF-141801) ABBCDYNAMIC RESULTS OF A SEPARATION FFFECTS TEST CONDUCTED IN THE AFIC 40 BY 46 INCH TUNNEL A FACILITY ON THE FOCKWELL INTERNATIONAL LAUNCH CONFIGURATION 3 (MODEL 32-OTS) INTEGRATED VEHICLE (IA13),

N75-30240

Unclas G3/18 33795

SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER
HOUSTON, TEXAS

SPACE DIVISION CHRYSLER CORPORATION

DMS-DR-2062 NASA CR-141,801

'n

AERODYNAMIC RESULTS OF A SEPARATION EFFECTS
TEST CONDUCTED IN THE AEDC 40 x 40 INCH TUNNEL A
FACILITY ON THE ROCKWELL INTERNATIONAL LAUNCH
CONFIGURATION 3 (MODEL 32-OTS) INTEGRATED VEHICLE
(IA13)

Vol. III of III

bу

J. H. Campbell, II
Rockwell International Space Division

Prepared under NASA Contract Number NAS9-13247

bу

Data Management Services Chrysler Corporation Space Division New Orleans, La. 70189

for

Engineering Analysis Division

Johnson Space Center National Aeronautics and Space Administration Houston, Texas

# TUNNEL TEST SPECIF CS:

Test Number: AEDC 7A-323 NASA Series Number: IA13 Test Dates: July 5-17, 1973

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Chrysler Corporation Space Division assumes no responsibility for the data presented other than display characteristics.

AERODYNAMIC RESULTS OF A SEPARATION EFFECTS

TEST CONDUCTED IN THE AFDC 40 x 40 INCH TUNNEL A

FACILITY ON THE ROCKWELL INTERNATIONAL LAUNCH

CONFIGURATION 3 (MODEL 32-OTS) INTEGRATED VEHICLE

(IA13)

bу

J. H. Campbell, II Rockwell International Space Division

### **ABSTRACT**

Experimental aerodynamic investigations were conducted from July 5 through July 17, 1973, in the AEDC/VKF tunnel A facility, on a 0.01 scale model (Model 32-OTS) of the Rockwell International launch configuration 3 Integrated Vehicle (excluding the left-hand booster). The AEDC captive trajectory system was utilized in conjunction with the tunnel primary sector to obtain "grid-type" data for tank (ET) abort from the Orbiter (SSV), and for nominal separation of one Booster (SRB) from the Orbiter-Tank combination. Booster separation was investigated with and without separation motors plume simulation. The plumes were generated by eight Mj = 2.15 nozzles using a 1500 psia cold air supply.

Free stream data were obtained for all models (orbiter, tank, orbiter-tank, and right-hand booster) to provide baselines for evaluation of proximity effects.

The entire investigation was conducted at a nominal free stream Mach number of 4.5 and at Reynolds number per foot ranging from approximately  $7.0 \times 10^5$  to  $6.6 \times 10^6$ .

This report is published in three volumes. Volume I contains data figures through page 894. Volume II contains the remaining data figures and the appendix (tabulated source data) is found in Volume III.

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Effect of SRB w/o Plumes Separation on Orb/ET Aerodynamic Characteristics	U	622-894
Volume II		
SRB w/o Plumes Aerodynamic Characteristics During Separation from Orb/ET	Ω	895-1076
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Schedule of Coefficients Plotted:

- A) CN, CA, CIM, CBL, CY, CYN VS AFILHA
- B) CN, CLM, CY, CYN VS ALPHA

- C) CN, CA, CIM, CBL, CY, CYN vs Z
- D) CN, CLM, CY, CYN vs Z

# NOMENCLATURE

SYMBOL	PLOT SYMBOL	DEFINITION
a		speed of sound; ft/sec
v		velocity; ft/sec
M	MACH	Mach number, V/a
q∞	Q(PSF)	dynamic pressure, $\rho V^2/2$ ; psf
ρ	RHO	mass density; slugs/ft <sup>3</sup>
Ab		base area; ft <sup>2</sup>
CA <sub>b</sub>	CAB	base force coefficient, $-A_b(P_b - P_{\infty})/q_{\infty}S_w$ ; base force $q_{\infty}S_w$
$^{\mathrm{C}}\!_{\mathbf{A_f}}$	CAF	forebody axial force coefficient; $C_A$ - $C_{A_b}$
C <sub>A</sub>	CA	axial force coefficient excluding adjustments for base and sting/balance cavity pressure measurements; axial force $\frac{axial\ force}{q_{\omega}S_{W}}$
$c_N$	CN	normal force coefficient; $\frac{\text{normal force}}{q_{\omega}S_{W}}$
CL	CBL	rolling moment coefficient; $\frac{\text{rolling moment}}{q_{\infty}S_{w}\mathbf{l}_{ref}}$
C <sub>m</sub>	CLM	pitching moment coefficient; $\frac{\text{pitching moment}}{q_{\infty}S_{W}^{\varrho}\text{ref}}$
$c_{\mathbf{Y}}$	CY	side force coefficient; $\frac{\text{side force}}{q_{\omega}S_{w}}$
c <sub>n</sub>	CYN	yaving moment coefficient; $\frac{yawing\ moment}{q_{\infty}S_{w}^{2}ref}$

# NOMENCLATURE (Continued)

SYMBOL	PLOT SYMBOL	DEFINITION
$s_w$	SREF	reference wing area; ft <sup>2</sup>
CPS		captive trajectory system
$P_{b1}/P_{\infty}$	PB1/P	number one base pressure ratio
$P_{b2}/P_{\infty}$	PB2/P	number two base pressure ratio
$P_c/P_{\infty}$	PC/P	sting/balance cavity pressure ratio
P <sub>b1</sub>	PB1	number one base pressure; psia
P <sub>b2</sub>	PB2	number two base pressure; psia
P <sub>c</sub>	PC	SRB separation nozzle chamber pressure; psia
$P_{\infty}$	P	freestream static pressure, psia
$P_{t_{\boldsymbol{\infty}}}$	PTOTAL	freestream total pressure, psia
c <sub>pb1</sub>	CPB1	number one orbiter base pressure coefficient, $(P_{b1} - P_{\infty})/q_{\infty}$
$c_{p_{b2}}$	CPB2	number two orbiter base pressure coefficient, $(P_{\mbox{\footnotesize{b2}}} - P_{\mbox{\footnotesize{eo}}})/q_{\mbox{\footnotesize{eo}}}$
$c_{\mathbf{P_c}}$	CPC	sting balance cavity pressure coefficient, $(P_{_{\rm C}}$ - $P_{_{\rm D}})/q_{_{\rm D}}$
R/L	RN/L	freestream unit Reynolds number x $10^{-6}$ ; per foot
*ref	LREF BREF	reference dimension used to reduce the measured balance moment data to coefficient form, orbiter model body length, inches
δ <sub>a</sub>	AILRON	aileron deflection; degrees
6 <sub>e</sub>	ELEVTR	elevon deflection; degrees

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# NOMENCLATURE (Continued)

SYMBOL	PLOT SYMBOL	DEFINITION
δ <sub>r</sub>	RUDDER	rudder deflection; degrees
Δα	DALPHA	parameter name for nominal angle of attack difference, $(\Delta\alpha = \alpha_{SRB} - \alpha_{OT})$ or $(\Delta\alpha = \alpha_{ET} - \alpha_{O})$ ; degrees
Δβ	DBETA	parameter name for nominal angle of sideslip difference, ( $\Delta\beta$ = $\beta_{SRB}$ - $\beta_{O/T}$ ) or ( $\Delta\beta$ = $\beta_{ET}$ - $\beta_{O}$ ); degrees
<sup>α</sup> O/T .	АLРНА	orbiter tank angle of attack. All source data are presented as a function of $\alpha_{0/T}$ , except for isolated tests and those where the tank is separating from the orbiter; degrees $\alpha_{SRB} = \alpha_{0/T} + \Delta \alpha$
α <sub>O</sub>	ALPHA	orbiter angle of attack. Source data are presented as a function of $\alpha_0$ for isolated tests and those where the tank is separating from the orbiter; degrees $\alpha_{ET} = \alpha_0 + \Delta \alpha$
$\alpha_{ ext{ET}}$	ALPHA	external tank angle of attack. Source data are presented as a function of $\alpha_{\hbox{\footnotesize ET}},$ only, for tests of the isolated external tank, degrees
αSRB	ALPHA	solid rocket booster angle of attack, source data are presented as a function of $\alpha_{SRB}, \ \text{only, for}$ tests of the isolated SRB, degrees
<sup>β</sup> O/T	ВЕТА	orbiter tank angle of sideslip. All source data are presented as a function of $\beta_{O/T}$ except for isolated tests and those where the tank is separtising from the orbiter; degrees $\beta_{O/T} + \beta_{O/T} + \beta_{$
₿ <sub>O</sub>	BETA	orbiter angle of sideslip. Source data are presented as a function of $\beta_0$ for isolated tests and those where the tank is separating from the orbiter; degrees $\beta_{ET} = \beta_0 + \Delta\beta$

# NOMENCLATURE (Concluded)

	РЬОТ	
SYMBOL	SYMBOL	DEFINITION
$oldsymbol{eta_{ET}}$ .	BETA	external tank angle of sideslip. Source data are presented as a function of $\beta_{ET}$ , only, for tests of the isolated external tank, degree?
$\beta_{SRB}$	ВЕТА	solid rocket booster angle of sideslip. Source data are presented as a function of $\beta_{SRB},$ only, for tests of the isolated SRB, degrees
$\delta_{SB}$	SPDBRK	speed brake flare angle, degrees
c.g.		center of gravity
Tt∞ '	TTOTL	freestream total temperature; °R
$T_{\infty}$	Т	freestream static temperature; °R
ΔΧ	X	separation distance measured along the longitudinal, X axis; inches. See figures 2d and 2e
	YMRP	X station of the moment reference center; inches. See figures 2b and 2c
ΔΥ	Y	separation distance measured along the lateral, Y sxis; inches. See figures 2d and 2e.
	YMRP	Y station of the moment reference center; inches. See figures 2b and 2c.
	ZMRP	Z station of the moment reference center; inches. See figures 2b and 2c.
ΔΖ	Z	separation distance measured along the vertical Z axis; inches. See figures 2d and 2e.

### INTRODUCTION

The NASA Space Shuttle Integrated Tehicle (SSV) is comprised of four components: an orbiter (0), an external fuel tank (ET) for the orbiter, and two solid rocket boosters (SRB's). During the ascent phase of the SSV the ET and SRB's are separated from the orbiter, and return to earth. In order to assure clean separation of the ET and the SRB's from the orbiter it is necessary to know the aerodynamic forces acting on these components, and the orbiter, during the separation procedure. This test was conducted to determine the interacting aerodynamic effects for two situations: 1) nominal abort of the SRB from the orbiter/external tank combination and 2) emergency abort of the external tank from the orbiter.

Data were obtained at a freestream Mach number of 4.5 with Reynolds number varying from  $7.0 \times 10^5$  to  $6.6 \times 10^6$  per foot. The SRB has small rocket motors which are utilized to assure positive separation. During these tests motor operation was simulated by using cold air jets and data were recorded with and without these motor plume simulations.

The isolated vehicle components were tested over an angle of attack and sideslip range as shown below:

Vehicle Component	α Range	β Values
Orbiter	-10° to 30°	0°, 5°, 10°
External Tank	-40° to 10°	0°, 5°
Orbiter/External Tank	10° to 30°	0°, 5°
Solid Rocket Booster	-30° to 15°	-10°, 0°, 5°, 10°,
		20°, 30°

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# INTRODUCTION (Continued)

In order to examine the interacting flow field effects during the two abort situations, the separating component was held at attitudes relative to the parent configuration and moved to various field positions to record aerodynamic data. The relative attitudes tested were:

Vehicle Component	Δα Range	Δβ Values
External Tank	-30° to 5°	0°, ±5°
Solid Rocket Booster	-20° to 5°	0°, ±5°, -10 , -20°
where for external tank $\Delta\alpha$ = ( $\alpha_{ET}$	$-\alpha_0$ ), $\Delta\beta = (\beta_{E})$	$_{\Gamma}$ - $\beta_{0}$ ) and for solid
rocket booster $\Delta \alpha = (\alpha_{SRB} - \alpha_{O/ET})$	), $\Delta \beta = (\beta_{SRB} -$	β <sub>O/ET</sub> ).

The vertical (Z), longitudinal (X) and lateral (Y) separation distance ranges were:

Vehicle Component	X-Inches(f.s.)	Y-Inches(f.s.)	Z-Inches(f.s.)
External Tank	0 to 1200	-200 to 200	0 to 1300
Solid Rocket Booster	0 to 1600	0 to 800	0 to 100
where for the external tan	k, X, Y, and Z	= 0 when the ET	nose is in the
mated position with respec	t to the orbite	r. (See figure	2d.) For the
SRB, X, Y, and $Z = 0$ when	the SRB nose is	in the mated po	sition with
respect to the Orbiter/Ext	ernal Tank. (S	ee figure 2e.)	

During SRB separation testing (see figure 2e.) the external tank was rigidly attached to the orbiter, which was supported inverted on the tunnel primary sector. The booster was supported on the CTS via a flow-through balance and sting.

During external tank separation testing (see figure 2d.), the

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# INTRODUCTION (Concluded)

orbiter was supported inverted on the primary sector and the ET was supported on the CTS.

No base or cavity pressure taps were built into the models. To obtain these pressures (two base, one cavity per model), hardline tubing was routed to the vicinity of the model bases and bent into areas where pressures were desired.

As an aid in clarifying the interdependence of the test configuration with the tabulated source data in the Appendix, the following array is a necessary adjunct to the Run Summary Schedule of Table II.

DATASET	BALANCE	TEST CONFIGURATION	APPENDIX PAGE NUMBER
RTJ001 through	Orbiter	]	1
RTJ099			89
RTJT01	Tank	Tank Separating From Orbiter	90
RTJT99		)	178
RTJ100 through	Orbiter Tank	)	179
RTJ283			361
RTJ300 through	SRB	SRB Separating From Orbiter Tank	362
RTJ483	3.0	J	543
RTJ500   RTJ501	Tank	)	543 544
RTJ502 through	Orbiter		545
RTJ507		Isolated	550
RTJ508   RTJ509	Orbiter Tank		551 552
RTJ510 through	SRB	J	553
RTJ536		11	565

# CONFIGURATIONS INVESTIGATED

The 0.01-scale 32-OTS models consists of an orbiter, tank, and one booster (with metric high-pressure separation thrusters, fore and aft). See figures 2b and 2c.

The configuration of each vehicle component tested is given below.

Pertinent dimensional data for these model components may be found in

Table III.

Orbiter 09 =  $(B_{19}C_7F_5M_4)$   $(W_{107}E_{23})$   $(V_7R_5)$  where:

Component	Definition
B <sub>19</sub>	Fuselage per Rockwell line VL70-000139B. (Model drawing SS-A00062)
c <sub>7</sub>	Canopy per Rockwell Lines VL70-000139B. (Model drawing SS-A00062)
E <sub>23</sub>	Elevons per Rockwell lines VL70-000139B. (Model drawing SS-A00109)
F <sub>5</sub>	Body flap per Rockwell lines VL70-000139B. (Model d'awing SS-A00062)
M <sub>4</sub>	Orbital Maneuvering System per Rockwell lines VL70-000139B. (Model drawing SS-A00062)
R <sub>5</sub>	Rudder per Rockwell lines VL70-000139B and VL70-000095. (Model drawing SS~A00062)
v <sub>7</sub>	Vertical tail per Rockwell lines VL70-000139B and VL70-000095. (Model drawing SS-A00062)
W <sub>107</sub>	Wing per Rockwell lines VL70-000130B. (Model drawing SS-A00109)

The external tank ( $T_{10}$ ) is not broken down into subassemblies and was constructed to Rockwell lines VL72-000088 and VL78-000041 (Model Drawing SS-A-00108).

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# CONFIGURATIONS INVESTIGATED (Concluded)

The solid rocket booster ( $S_8$ ) is not broken down into subassemblies and was constructed to Rockwell lines VL72-000088 and VL77-000036 (Model Drawing SS-A-00113).

# TEST FACILITY DESCRIPTION

The AEDC von Karman Facility (VKF) Tunnel A is a continuous, closed-circuit, variable density wind tunnel with an automatically driven flexible-plate-type nozzle and a 40- by 40-in. test section (see Figure 3). The tunnel can be operated at Mach numbers from 1.5 to 6 at maximum stagnation pressures from 29 to 200 psia, respectively, and stagnation temperatures up to  $750^{\circ}$ R (M = 6). Minimum operating pressures range from about one-tenth to one-twentieth of the maximum at each Mach number. A description of the tunnel and airflow calibration information may be found in the Test Facilities Handbook\*.

<sup>\*</sup>Test Facilities Handbook (Ninth Edition). "von Kalman Gas Dynamics Facility, Vol. 3", Arnold Engineering Development Center, July 1971.

### DATA REDUCTION

Six-component aerodynamic force and moment data were recorded for the Orbiter, External Tank, and Orbiter/ET. Four-component force and moment data were recorded for the SRB. Thrust loads generated by the SRB separation motors were treated as tares and were subtracted from balance recorded loads before computing coefficients. For Orbiter freestream and ET abort testing, the Orbiter was mounted on the AEDC 0.85-inch 4.00-Y-36-037 balance. For ET freestream and ET abort, the ET was mounted on the AEDC 0.85-inch 4.00-H-36-049 balance. For SRB separation, the Orbiter/ET was mounted on the 4.00-Y-36-049 balance. For SRB freestream and separation, the SRB was mounted on the Rockwell 0.625-inch 4.00-H-34-065 flow-through balance.

All force and moment data were reduced to coefficient form in the body axis system. Base and balance cavity pressures were recorded. However, no pressure adjustments were made to the force and moment data. All coefficients are based on the following reference dimensions.

 $S_{REF}$  = orbiter wing reference area = 0.269 ft<sup>2</sup>

 $k_{REF} = b_{REF} = \text{orbiter body length} = 12.903 inches$ 

Moments are about the following reference c.g. locations:

Orbiter (Isolated and with ET separating):

XMRP = 8.516 inches aft of orbiter nose (see figure 2c)

ZMRP = 4.0 (fuselage reference line 4.0)

External Tank (Isolated and while separating from orbiter):

XMRP = 10.94 inches aft of ET nose (see figure 2c

ZMRP = 0.0 (tank centerline)

Orbiter/ET (Isolated and with SRB separating)

XMRP = 7.43 inches aft of ET nose

(see figure 2b)

ZMRP = 0.47 inches above ET centerline

SRB (Isolated and while separating from Orbiter/ET)

XMRP = 9.67 inches aft of SRB nose (see figure 2b)

ZMRP = 0.0 (SRB centerline)

DATE : POST-TEST

# TEST CONDITIONS

MACH NUMBER	TOTAL PRESSURE (Pounds/Sq. Inch)	DYNAMIC PRESSURE (pounds/sq.,inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
4.53	110	5.27	145
4.52	80	3.85	
•	58	2.80	
4.51	28.9	1,41	
4.48	11-6	0.58	
<b>↓</b>	10.8	0.54	

BALANCE UTILIZED: 4.00-Y-36-037: 4.00-Y-36-049: 4.00-Y-34-065

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF	±150   ±200   ±135	±0.2 ±0.3 ±0.25	~ (ACCURACY)
SF	±75 ±100 ±100	10.15 10.3 10.2	
AF	±25 ±50 -	±0.15 ±0.3 -	
PM	\$300 \$360 \$360	±0.5 ±1.0 ±1.0	
RM	120 180 -	£0.2 £0.4 -	
VII	\$150 \$190 \$275	10.5 \$ 1.0 \$ 0.75	<b>†</b> '

1). THE - 037 MOUNTED IN ORBITER FOR "ORBITER - ISOLATED" AND "TANK SEPARATION"

2). THE - 049 MOUNTED IN ORBITER FOR " ORBITER - TANK ISOLATED AND "BOOSTER SEPARATUN." ALSO MADUNTED IN TANK FOR "TANK ISOLATED" AND "TANK SEPARATION"

3). THE -OLS MOUNTED IN BROSTER FOR "BROSTER ISOLATED" AND " BROSTER STARRATION."

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«, b, dx, d, d - deares ; X, Y - INCHES (FULLSCALE); DEL, DER - DEGREES , PT - PSIA ; RF - DEGREES (Rubber RARE) \* O DATA - ORBITER DATA , T DATA - EXTERNAL TANK DATA

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ANK S			ב לכל ה	09/ 710																	4		A		
EXTERNAL TANK SEPARATION DATA	: 1113	SET	FIER	6/0	050	ho	220	023	<b>\$20</b>	æs	920	027	820	029	030	63/	932	033	034	935	36	7	1. 1C.5M	SCHEDULES	
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K, B, DK, DB - DEGRES; X, Y - INCHES (FALL SCALE); DEL, DEP - DEGREES; PT-1814; RF- DEGREES
(RUDGER PLACE)

TABLE II. EXFERNAL THIN SEPARATION DATA

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(Continued)

TEST RUN NUMBERS 0021 147 721 184 167 168 7. 8 20 7 140 195\* 14 177 83 161 208 20h 22 821 99/ 691 -MACH NUMBER 191 DATE: POSTETEST ナンソ 190 145 173 641 187 770 25/ 182 7 791 હ 155/ 188 20/ 189 44 112 156 જુ 148 42) 111 119 181 RON OPNO S bΈ 0 DER DATA SET/RUN NUMBER COLLATION SUMMARY 0 DEC 0 PARAMETERS/VALUES 8 \* HI 1300 H B ( Ġ Ø 9 Ø Ø 9 200 200 0 0 0 80 0 0 0 3 9--28 O g p 0 SCHD. CONFIGURATION 09/710 TEST: 2A/3 040 \$ 440 840 049 DENTIFIER 043 240 340 047 DATA SET 038 039 140 RTJ 037

B) 0, 100, 200, 300, 400, 600, 800, 1000 INCHES (QUISCANE) COEFFICENTS D) 300, 400, 600, 800, 1000, 1300 4) 200, 300, 400, 600, 800, 1000 T) 600, 800, 1000 SCHEDULES

\$ NO. 10

5.N. 1, 1, 15.15. 1, 15.15. 1, 1, 15.75. 1, 1, 15.15. 1, 1, 15.15. 1, 1, 15.15. 1, 1, 15.15. 1, 1, 1, 1, 1, 1, 1

I) 400, 600, 800, 1000 K) 800, 1000

6) 800, 300, 400, 600, 800, 1000, 1300 6) 800, 1000, 1,300

IDVAR (2) NDV

6

49

43

37

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25

161

193

161

8

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050

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α, β, Dx, Dp - Defects , X.Y - INWES (aux scare) , Del, DeR - Defects ; PT-PSIA, RF - Defects Ared (Arboen Prance)

Kg-715T	X MACH NUMBERS ->	c 1/c 800 12cc	17.	1.6.	200	701	202	203	700	20%	206	Zo2	208	209	210	211	212	213	11/12	215	25	لمبيدة الدي	The Hard Control of the Ha	
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DATA SET/RUN NUMBER COLLATION SUMMARY	SCHD. PARAMETERS/VALUES	a B Dx Dp Y Z More PT St. DIR	00000-200 E 453 110 10 -10	TT ( ( 0 B T T	0 0 200 8	T -5 200 B	5 0 8	5 200 8	-10 0 -200 1	0	0 200 0	-5 -200 D	5 0 0	1 5 200 0	-20 0 -20 E	00 €	0 2m E	-5-20 E	0	1   5 2m E	25 31 37 43 49	التبييليين بيليديديا بييياييي الإيكاري و1986 ويوكار	400, 600, 800, 1000 INCHES (FS)	1900 (30
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(Continued)	COLLATION SUMMARY		ERS/VALUES	1	1				1	1						F	7			_			-	43	-		1
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1, B, Dx, DB - WGREES; K.Y - INUMES (MULSCALE); DEC, DER - DEGREES; DT- PSIA; RF- DEGREES
(RUDDER FLARE)

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T.	FRNAL	EXTERNAL GANE SEPARATION DATA	5	4			Ĥ	TABLE	II.	(Cor	(Continued)	( p						<b>\{</b>		ĺ
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	680				0/-			9								238	239	240	1#2	
	8				-20		1	E								242	243	244	245	
	100				0		200	$\alpha$								947	147	842	249	
	260				-10			Q								250	151	252	253	
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	760				0			8			0 p -	04-				258	259	260	261	STF
	82				01-			9				_				762	263	164	265	RUN
23	960				-20		-	R								266	167	268	269	NUM
	260				0		0	B								270	171	272	273	BER
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			7	ç	3	U av	00 %	COEFFICE		ENTS CON D	<u>e</u>	\(\frac{\z}{1}\)	300. 4	400,600		100 apg	10VAR (1)	- DVAR	(5)	óz
N,	SCHEDULES	LES E/= 600,800, 1000, 1300	00	2,7	300								1 1		1 1	1				
		l															،			

«, B, DK, DB - DECKEES; X.Y- INCHES (PULLSCALE); DEL, DER - DECKES; PT-PSIA; RF- DECKES
(RUDDER? RAPE)

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TABLE II. (Continued)

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TEST: 24/3	/3	7		DATA	A SET	/RU	NON 7	IBER	COLL	ATION	SET/RUN NUMBER COLLATION SUMMARY	_		- 1 1	77	,,		T
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RTJ/BO	09 TIO/58	0	<b>├</b>	0	0	0	A	4.48	11.6	1500	0			303	304	305	-	
101	(PLUMES ON)	-		_		200	4	<b>-</b>	8.01	<b>+</b>				ı	,	306	,	
102		$\vdash$				0	7	4.51	29	750				307	308	369	310	
163			_			200	4							314	3/3	312	311	
h21			<u> </u>			400	4							315	3/6	317	318	
1001		H				800	800			-				319	320	321	322	ΤE
70/		+				0	V			1500				323	324	325	328	ST F
107		-				200								330	329	328	377	RUN
80/			-			400	A							331	332	333	334	NUM
621						800	800	-	<b>A</b>					335	326	33.7	338	BER
3//			-			0	A	4.52	28					339	340	341	342	S
111						200	A							346	345	3:14	343	
///		-	_			000	4							347	348	349	350	
1/3		-	-			800	800	*	•					351	352	353	1:52	
71/						0	A	4.53	110					355	356	357		
5//						5	A							358	359	360	1	
116						0/	A							361	362	363	364	
4 117	3>		- 12-	7	Ā	200	A	A	<i>p</i>	4				368	367	366	365	
	13 19			25		31		37		43	49	55		61		2.9	_	75 76
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*	A) = 0,50	20,7		2002	300	COEFF	-	SOO.	1000	DNCHES (	1000 DKCHES(FALL SALE)			201	DVAR (1)	DVAR	(5)	> 0 z
₹ SCHEDULES	ILES								i									

\*RTT100 THPOUGH RTJ283-0.8871ER/TANK DATA RTJ300 THRONGH RTJ 483-5RB DATA

n HOL

TEST: IA 13	3	$\neg$		DA	TA	SET/R	NNO	UMBEF	100 ×	_AT10	DATA SET/RUN NUMBER COLLATION SUMMARY	AARY	<u>-</u>	UAIC	.	703 (C) 1	_		-1
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DENTIFIER	CONFIGURATION	۰	a B	% () ()		<b>1</b>	7	Ц	MACH	77	PCH	li F		RUNS	0	300	600	900	
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_		<del>                                     </del>		1		28	. 800	0			-				373	374	375	376	
	(PLUMIES OFF)	+-				0	4	_			1				377	318	379	380	
121						200	0 A								188	383	382	138/	
122		$\vdash$				20,	8	_							385	386	387	388	
123		$\vdash$				800	008 a	0							389	390	391	392	_ ⊺ €
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125						400	ō A			_					1	١		}	RUN
126		<del>                                     </del>		5	\	0	B	_			_				345	١		398	NUN
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130					_	2002	-	A,C*							412	403	404	405	
131						7	-	_							01h	\$0t	407	90h	
135						800	800	0							413	414	415	416	
133				1	01-										417	814	614	420	
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			٨	\	3	4	3	4			7 = 10	7) = 700 200 der 400 PBQ. (1000	400	200	200	2			

Bookree (SRB) Serventon TABLE II. (Continued)

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			2000000											DATE	200	PSTATST			Г
	1ES1: 14/3	1/3			DAT,	A SET	/RU	¥ ON ₹	BER	COLL	ATIO	SET/RUN NUMBER COLLATION SUMMARY	4ARY	1					П
	DATA SET		-	SCHD.				۵	ARAME	PARAMETERS/VALUES	VALUE	ES		Oi Z	×	MACH N	NUMBERS		
DE!	DENTIFIER	CONFIGURATION	_	В	Ă	ŊΆ	X	Z	H	MACH	74	#2#	RF	RUNS	0	300		006	
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₩	138			_			200	ড							440	439	438	437	
-	139						400	9							144	244	443	444	
-	140				-	-	800	800				-			445	446	447	844	
-	141			<u> </u>	0	5	0	4							449	١	١	254	⊤ E
	142			<u> </u>	_		200	7	-						450	١	-	453	ST F
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L	6/1						200	D, A*							475	477	814	479	
<u> </u>	150			上			00p	4						,	476	784	48/	480	
<u> </u>	151					*	008	008							483	180	485	984	
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i		7 13	61		25		3.5		37		43	49		55	6.1		67		75 76
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d l		ļ	0001 '008' 009 = (9									# =(#	,000,00	H)= 400,000,800,100					
		I) = 30	I) = 300, 400, 600. Br . 1000	0.52	5	Ş													
		`				)													

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		MBERS	000	449	505			L	-	_	517	520	523	125	135	538	545	245	125	\$55	529	563	W	•			8
PAST TEST	וני	MACH NUMBERS	300	496	164			,	١	١	525	519	524	530	134	538	543*	J. hS	250	य	275	295		] 	2 600	ړ	<i>8</i> / <b>26</b>
		X	0	495	864			7/5	512	5/3	527	\$25	526	675	533	537	145	545	549	955	155	195	×	I A A B	300,400	000) 21	6000,
DATE:	·	OL Z	RUNS			;																		-	8	600,600	F)= 150, 200, 300, 400, 600, 800, 1000 H)= 400, 600,800,1000
3	<u>ਤ</u> ੀ								_													5.5	-				0,800
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	TION	ALUES	PT	011	<b>-</b>			28.9				-												1			`
(pai	OLLA	PARAMETERS/VALUES	MACH	4.53	-			4.51 2										2			-		-	1	Dianes (Aunstale)		
(Continued)	NUMBER (	ARAME.	/]	*				1								-	:	1			-		, .		200		
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II E	SET/RUN		,	0	200			0	200	400	0	207	400	800		400	0	200	0	200	ş	008	,   \$	֡֓֟֓֓֟֟֓֟֓֓֟֟֓֓֓֟֓֓֟֟֓֓֓֟֓֟֓֓֟֓֓֟֓֓֓֟֓֓	200	600,800,(100	600, 80v, 1000
F	⋖		de	202-	-			0			5				0/-				-20			•		1	12		•
	DAT,	SCHD.	B				-	5			2-				-				17			-	١	4	05,00	300	\$ '00
MODE.	7	SCI	8	0	->																			ייעויא	(20)	2,200	200,3
BOOKTER (SRB) SEMEATON			CONFIGURATION	T10/58				PLUMES ON)																2111111111	A) = 0,50, 100, 100, 200, 300,	Q = 50, 180, 150, 200, 300, 400,	E = 160, 150, 200, 300, 400,
SOSTER (	T: 74/3	DATA SET		154 Og Tiol	155			458 (,	_	091	191	79/	163	164	165	79/	167	8%	169	07/	141	772		4	# 30 8	SCHEDULES	
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TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: BODY (P19)		
GENERAL DESCRIPTION: Configuration 3 light	tweight Orbiter fu	selage
Model Scale = 0.010 Model Drawing No.	SS-A00062	
DRAWING NUMBER: VI.70-000139B		
DIMENSIONS:	FULL-SCALE	MODEL SCALE
Length ~ in.	1290.3	12,903
Max. Width $\sim$ in. (@ $X_0 = 1528.3$ in.)	267.6	2.676
Max. Depth $\sim$ in. (@ $X_0 = 1480.52$ in.)	244.5	2.445
* Fineness Ratio	4.846	4.846
Area $\sim \text{ft}^2$		
Max. Cross-Sectional (@ $X_0 = 1480$ .	52 <u>in.) 386,6</u> 7	0.03867
Planform		
Wetted		
Base	***************************************	

<sup>\*</sup> Fineness Ratio is the fuselage length divided by the equivalent diameter for the maximum cross-sectional area.

tweight Orbiter	Canopy
SS-A00062	
<u></u>	
FULL SCALE	MODEL SCALE
237	2,370
	FULL SCALE

MODEL COMPONENT: Elevon (E23)		
GENERAL DESCRIPTION: Configuration 3 light	weight orbiter	elevons
Data for (1) of (2) s	sides	
Model Scale = 0.010 Model Drawing No.	SS-A00109	
DRAWING NUMBER: VL70-000139B		
DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area ~ ft. <sup>2</sup>	205.52	0,02055
Span (equivalent)~in.	353.34	3.5334
<pre>Inb'd equivalent chord ~ in.</pre>	114.78	1.1478
Outb'd equivalent chord~in.	55.00	0,550
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.208	0.208
At Outb'd equiv. chord	0.400	0.400
Sweep Back Angles, deg		
Leading Edge	0.00	0.00
Tailing Edge	-10.24	-10,24
Hingeline	0.00	0.00
Area Moment (Normal to hinge line) $\sim$ ft <sup>3</sup>	1548.07	0.00155

MODEL COMPONENT: BO	ody Flap (F <sub>5</sub> )
GENERAL DESCRIPTION: CO	onfiguration 3 lightweight orbiter body flap
Model Scale = 0.010	Model Drawing No. SS-A00062
DRAWING NUMBER	VL70-000139P
DIMENSION:	FULL SCALE MODEL SCALE
Length ~in.	<b>84.</b> 70 0. <b>84</b> 70
Max Width~in.	267.6 2.6760
Max Depth	
Fineness Ratio	
Area~ft. <sup>2</sup>	
Max Cross-Sectional	
Planform	142.5195 0.01425195
Wetted	
Base	38,0958 0.00380958

TABLE III. MODEL DIMENSIONAL DATA (CONTINUED)

MODEL COMPONENT:	OMS Pod (M <sub>/</sub> )		
GENERAL DESCRIPTION:	Configuration 3 lightwe	eight Orbite	er Orbital
	Manuevering System Pod	L	<del></del>
Model Scale = 0.010	Model Drawing No. S	SS-A00062	
DRAWING NUMBER	VL70-000139B		
DIMENSION:	FU	LL SCALE	MODEL SCALE
Length-in.		346.0	3.460
Max Width~in.		108.0	1.080
Max Depth~in.	<u></u>	113.0	1.13
Fineness Ratio	<u></u>		-
Area			
Max Cross-Section	onal		
Planform ·			
Wetted	-		
Bose		<del></del>	

TABLE III. MODEL DIMENSIONAL DATA (CONTINUED)

MODEL COMPONENT:	Rudder (R5)		
GENERAL DESCRIPTION:	Configuration 3 light	tweight Orbiter r	udder
Model Scale = 0.010	Model Drawing No.	SS-A00062	
DRAWING NUMBER:	VL70-000139B VL70-000095		
DIMENSIONS:		FULL-SCALE	MODEL SCALE
Area~ft. <sup>2</sup>		106.38	0.010638
Span (equivalent)	)~in.	201.0	2.010
Inb'd equivalent	chord~in.	91.585	0.91585
Outb'd equivalent	t chord~in.	50.833	0.50833
Ratio movable sur total surface o			
At Inb'd equ	uiv. chord	0.400	0.400
At Outb'd ed	quiv. chord	0.400	0.400
Sweep Back Angles	, deg.		
<b>Leading</b> Edge	•	34.83	34.83
<b>Tailing</b> Edge	<b>:</b>	26.25	26.25
Hingeline		34.83	34.83
Area Moment (Norm	mal to hinge line) $\sim$ f $ exttt{t}^3$	526.13	0.00053

MODEL COMPONENT: VERTICAL TATL (V7)		
GENERAL DESCRIPTION: Configuration 3 lightweight	ht orbiter vertical	tail.
double wedge airfoil sect	ions with rounded 1	eading edge.
Model Scale = 0.010 Model Drawing No.	SS-A00062	
DRAWING NUMBER: VL70-000139 B VL70-000095,	· · · · · · · · · · · · · · · · · · ·	
DIMENSIONS:	FULL-SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo)~ft <sup>2</sup> Planform Span (Theo)~in. Aspect Ratio Rate of Taper Taper Ratio Sweep Back Angles~deg. Leading Edge Trailing Edge 0.25 Element Line Chords:	413.25 315.72 1.675 0.507 .404 45.000 26.249 41.130	0.04132 3.1572 1.675 0.507 .404 45.000 26.249 41.130
Root (Theo) WP Tip (Theo) WP MAC Fus. Sta. of .25 MAC W. P. of .25 MAC B. L. of .25 MAC Airfoil Section Leading Wedge Angle ~ deg. Trailing Wedge Angle ~ deg. Leading Edge Radius ~ in. Void Area ~ ft <sup>2</sup> Blanketed Area ~ ft <sup>2</sup>	268.50 108.47 199.81 1463.50 635.522 0.00 10.000 14.920 2.00 13.17 12.67	2.6850 1.0847 1.9981 14.6350 6.35522 0.00 10.000 14.920 0.020 0.0013 0.0012

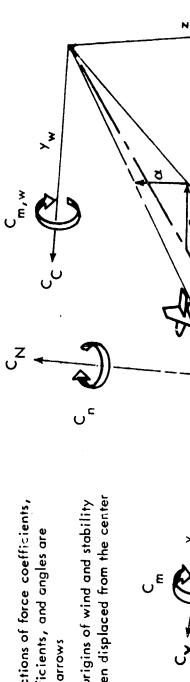
MODEL COMPONENT: WING (VI		•
GENERAL DESCRIPTION: Configuration 3 lightweight	Orbiter wing	
Model Scale = 0.010	Model Drav	ding No. SS-A0010
	DWG. NO. VI	.70-00013 <b>9</b> B
DIMENSIONS:	FULL-SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo.)~ft <sup>2</sup>	•	
Planform	2590,00	0.2590
Span (Theo) ∼ in. Aspect Ratio	936.68 2.265	9.3668 2.265
Rate of Taper	1.177	1.177
Taper Ratio	0,200	0,200
Dihedral Angle, deg. (@ T.E. of Elevon)	3.500	3,500
Incidence Angle, deg.	0.500	0.500
Aerodynamic Twist, deg.	+3.000	+3,000
Sweep Back Angles, deg. Leading Edge	45,000	45,000
Trailing Edge	-10,2 <i>l</i> ,	-10.21,
0,25 Element Line	35,209	35,209
Chords: ~ in.		
Root (Theo) B.P.O.O.	689,21,	6.8924
Tip, (Theo) B.P.	137.85	1,3785
MAC Fus. Sta. of .25 MAC	474.81 1136.89	4.7481 11.2589
W.P. of .25 MAC	299.20	2,9920
B.L. of .25 MAC	182.13	1.8213
EXPOSED DATA		
Area (Theo) ~ ft <sup>2</sup>	1752.29	0.17523
Span, (Theo) ~ in. (From B.P. 108 in.)	720.68	7.2058
Aspect Ratio	2.058	2.058
Taper Ratio	0.2451	0.2451
Chords: ~ in. Root (@ B.P. 108)	562.40	5.62LO
Tip	137.85	1.3785
•	<del>(                                    </del>	
MAC OF MAC	393.03	3.9303
Fus. Sta. of .25 MAC	1185.31 300.20	11,8531 3,0020
W.P. of .25 MAC B.L. of .25 MAC	251.76	2.5176
Airfoil Section (Rockwell Mod NASA)		
XXXX-64		
Root $\frac{T}{a} = 9 Y_0 199 \text{ to NAXA 0010}$	0.10	0.10
	0.30	0.10
Tip $\frac{\mathrm{T}}{\mathrm{c}}$ -	0.12	0.12
Data for (1) of (2) Sides		
Leading Edge Cuff		
Planform Area ~ ft2	18.333	0.00183
Leading Edge Intersects Fus M. L. 9 Sta	500	5.00
Leading Edge Intersects Wing @ Sta	1083.7	10.834

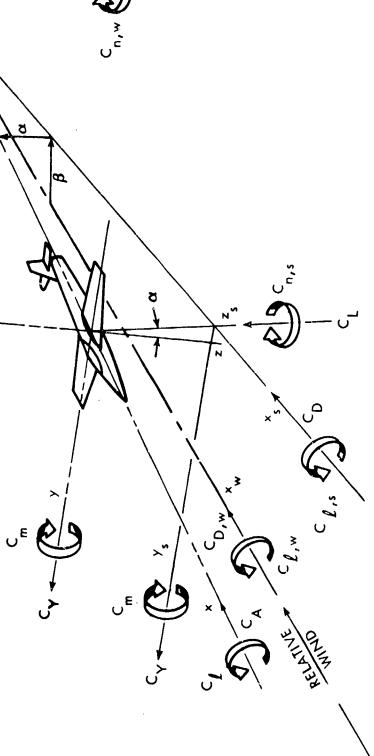
TABLE III. MCDEL DIMENSIONAL DATA (CONTINUED)

MODEL COMPONENT:External	Tank (T <sub>10</sub> )	
GENERAL DESCRIPTION:Configur	ration 3 External Oxygen Hyd	lrogen Tank
Model Scale = 0.010 Mod	del Drawing No. SS-A00108	
	.72-000088 .78-000041	
DIMENSION:	FULL SCALE	MODEL SCALE
Length~in.	1865	18.65
Mox Diameter~in.	324	3.24
Max Depth		
Fineness Ratio (Length/Max. I	Dia.) <u>5.75617</u>	5.75617
Area~£t <sup>2</sup>		
Max Cross-Sectional	572.555	0.05726
Planform		
Wetted		
Base	الله الله الله الله الله الله الله الله	

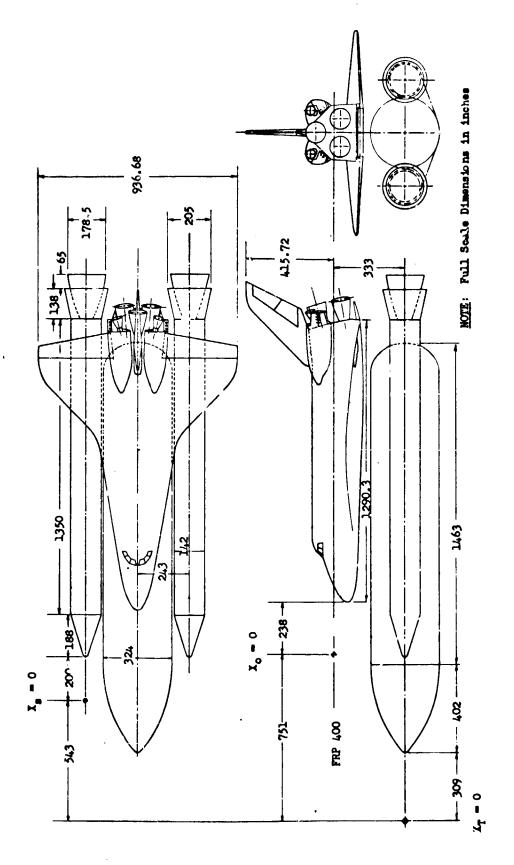
MODEL COMPONENT:	Booster (Sg)		
GENERAL DESCRIPTION:	Configuration 3 Bo		ket Motor
Model Scale 0.010	Model Drawing	No. SSA-00113	The state of the s
DRAWING NUMBER	VL72-000088 <u>VL77-</u> 000036		
DIMENSION:		FULL SCALE	MODEL SCALE
Length (Includes Max Width (Tank	•	1741.0 142.0	
Mox Dia. (Max. No	zzle Shroud Dia.)~i	205.0	2.050
*Fineness Ratio Area~ft <sup>2</sup>		8.49268	8.49263
Max Cross-Secti Planform	ional (Nozzle Shroud)	229.21	0.02292
Wetted Base			

<sup>\*</sup> Length divided by nozzle shroud diameter.

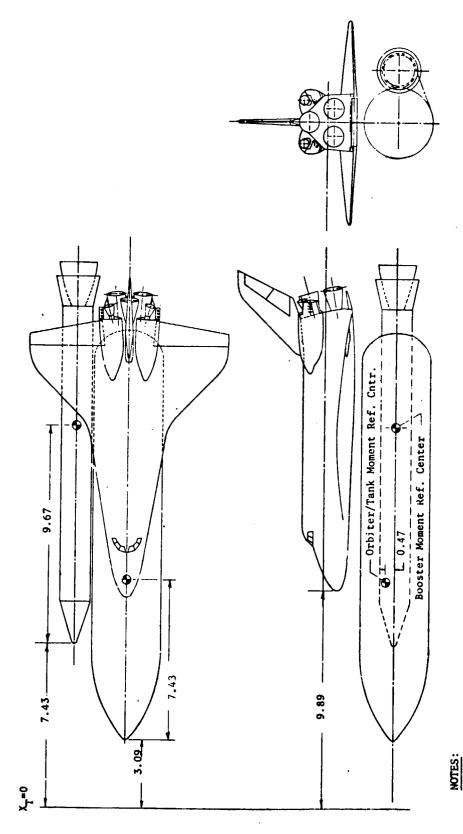




Axis Systems Figure 1.

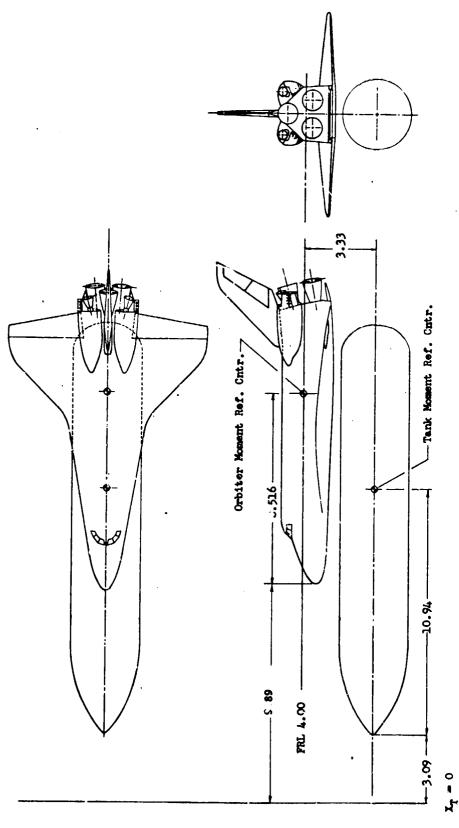


a. Integrated Vehicle Configuration 3 (Mated)
Figure 2. Model Sketches



Only righthand booster used for Booster Separation testing. Orbiter rigidly attached to tank.
Mated position shown.
All dimensions in inches.

Modei 32-OTS Integrated Vehicle Configuration 3 Figure 2. - Continued ۻ



NOTES:

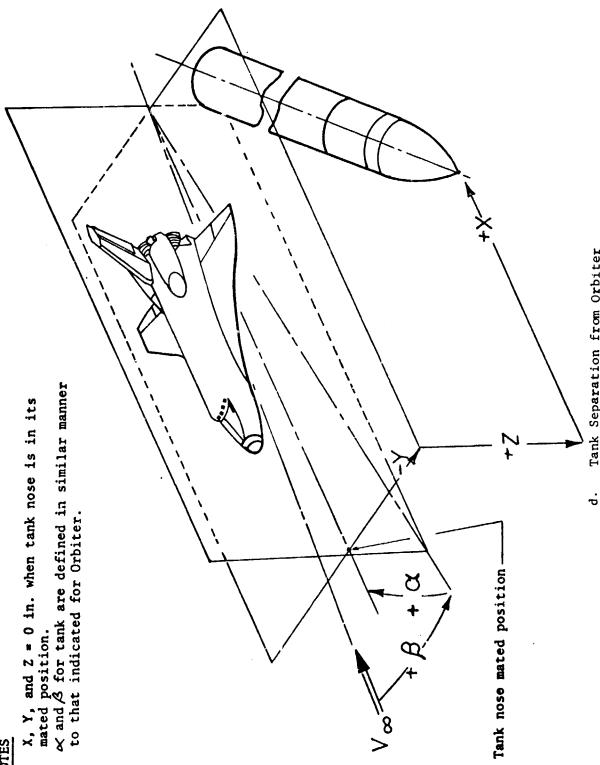
Models for Tank separation from Orbiter testing. Mated position shown.
All dimensions in inches.

Model 32-OTS Orbiter and Tank Configuration 3

Figure 2. - Continued

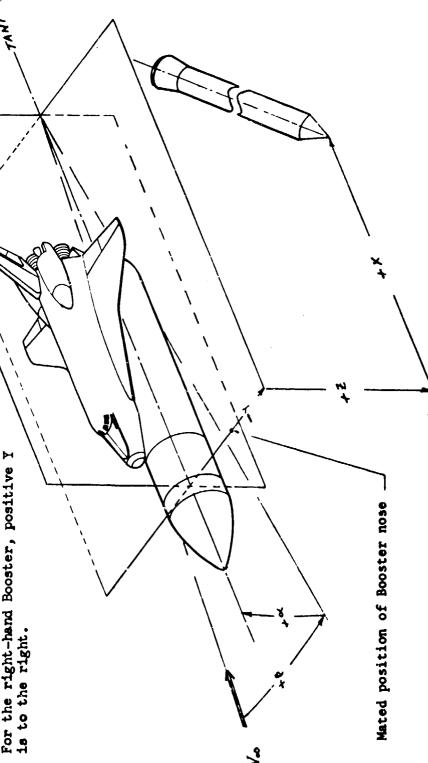
52

NOTES



Tank Separation from Orbiter Figure 2. - Continued

- 1. X, I, and Z = 0 when Booster nose is in its mated position.
- $\alpha$  and  $\beta$  for Booster are defined in similar manner to that indicated for the Tank. તં
- For IA13, it is the right-hand Booster that is tested (not the left-hand, as indicated here). For the right-hand Booster, positive I is to the right. *ښ*

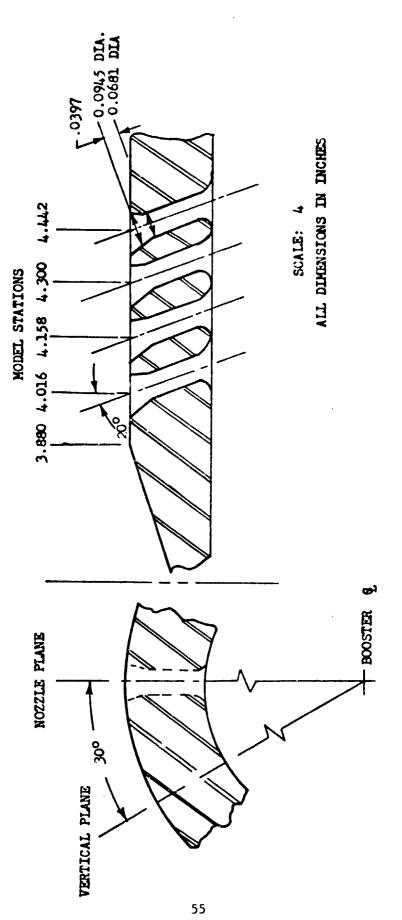


Booster Separation from Orbiter/Tank Figure 2. ė.

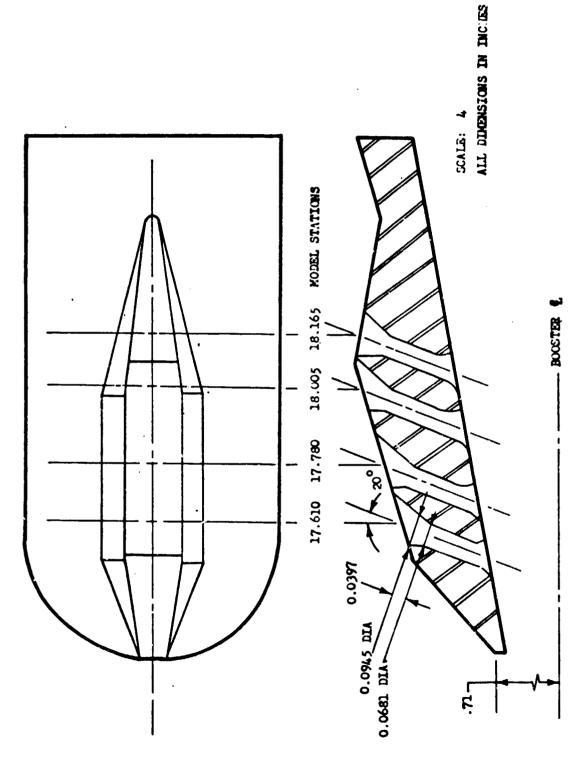
Continued

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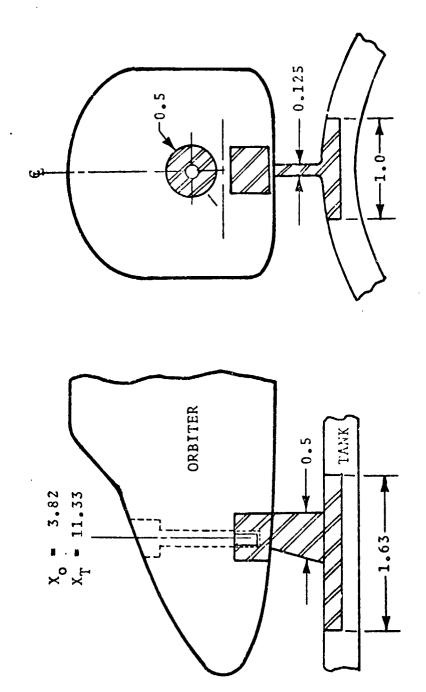
54



f. 32-0TS Booster Model Forward Thruster Nozzle Block Figure 2. - Continued



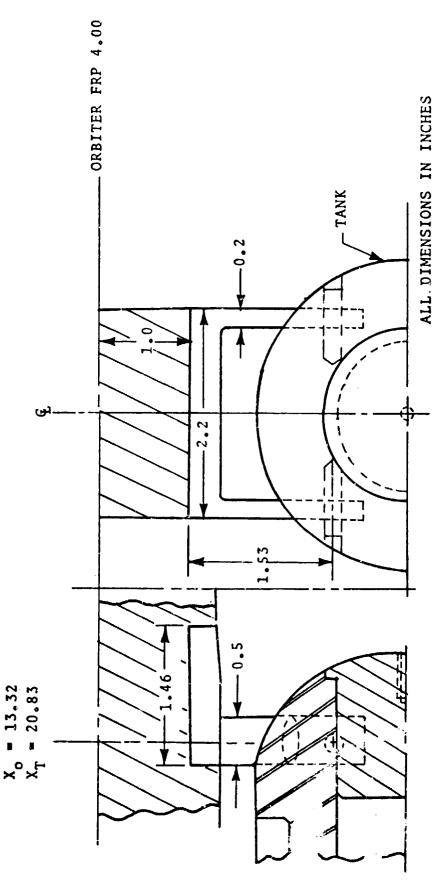
g. 32-UTS Booster Model Aft Thruster Nozzle Block Figure 2. - Continued



1

ALL DIMENSIONS IN INCHES

h. 32-0TS Orbiter/Tank Forward Attachment Figure 2. - Continued



i. 32-OTS Orbiter/Tank Aft AttachmentFigure 2. - Continued

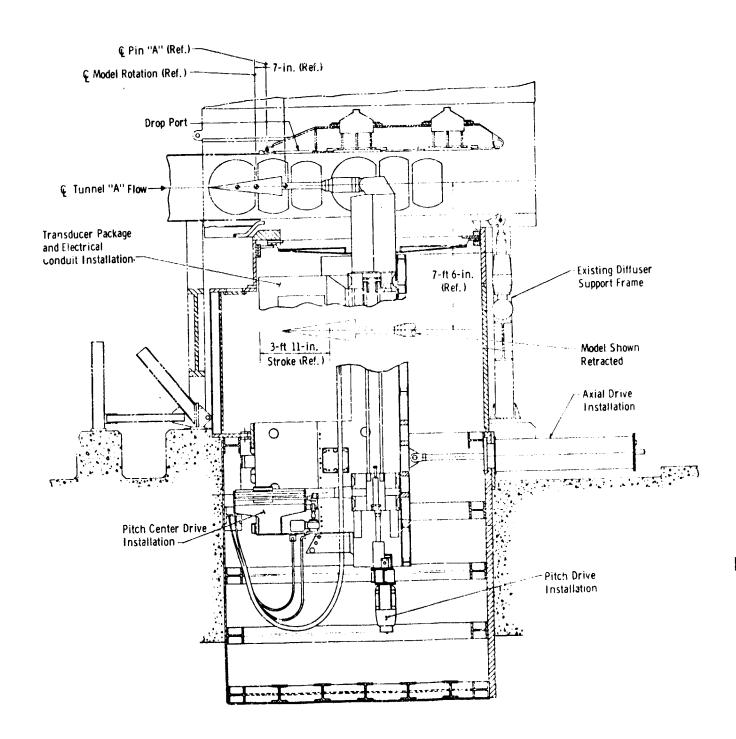


FIGURE 3. AEDC von Karman Gas Dynamic Facility Tunnel A

Volume	Description
I	Data Figures (pages 1 through 894)
11	Data Figures (pages 895 through 1498)
111	Tabulated Source Data

TABULATED SOURCE DATA

VOLUME III

Tabulations of plotted data are available on request from Data Management Services.

AUG 75	IAI3	IA13 SOURCE DATA	DATA							ā	PAGE 1
			1413.EXTERNAL TANKITIO)SEPARATING FROM ORB. 09	ML TANK!	T1015EP	ARATING FR	OH ORB. 09		(RTJ001)	11) (31 JUL 75	JL 75 1
REFERENCE DATA	E DATA								PARAMETRIC DATA	DATA	
2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES	TT. XMBP ES YMP ES ZMRP		.0000 IN.	0 0 0 X				MACH ALPHA DALPHA ELEVIS Y	530 . 000 . 000 . 000 . 000	PTOTAL BETA BETA BETA BETA BETA BETA BETA BETA	00.00. 00.00. 00.00.
	RGN ND.		1/ 0 SN/L =	• 6.59							
	×	7	ક	5	_	5	CYN	85	₹.		
	8	-3.00B		•	.01582	00106	.00003	.00020	76770.		
	2555.	100.860		,	. 00899	00215	00030	. 00026	.09053		
	388	199.270	1		.00054	00272	-,00055	. 00338	. 08773		
	0.44	25.350		,			00022	. 00033	1981g		
	. 180	600.870	005385		01259	00202	#2000°-	₹000°-	. 08276		
	PCN NO.		2/ 0 RN/L	6.59							
	×	~	Š	ž		Շ	Z.	ø	5		
•	400.480	-1.597	•		57100	- 0020	- 00080	<b>8</b> +000	15060		
•	400.330	101.140	·		22100	- 00296	- 000 Te	75000	08587		
,	400.390	198,800		•	00600'-	00231	62000 -	. 00027	***680		
•	400.290	299.910		·	01980	15200	B1600 -	£1000 -	.08374		
,	400.300	336.120	003466		01697	00206	12000	.00020	.08029		
ŗ	400.290	599.820	9+50:- 0	Ī	01210	00199	- 00053	.00023	.08308		
	PCN NO.	3, 0	• HAVE •	6.59							
	×	7	ક	CLM	_	Շ	CYN	ස්	₹		
9	600.610	369	<b>6</b> 3183. <b>6</b>		.00500	00202	00052	. 00035	54980∵		
Ð	800.580	100.270		•	01433	00288	00011	00025	.08720		
œ	800.570	203.180	01+00. 0	•	02112	0022 <b>2</b>	CC019	₹0000.	. 08290		
9	900.570	299.960	•		919	00203	03020	.0002 <b>2</b>	07939		
on co	900.680 800.610	399.870 599.880	05473	301207	207	-,00193	00023	.000c33	08289		
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	×	2	Š	S.		ځ	2	æ	5		
15	1200.500	95 1.			755	00207	00018	÷.00020	. 08532		
21	1200.500	99 66			Ŋ	00197	00017	.0000	.08201		
21	1230.700	200.160			465	0017 <b>6</b>	00021	.00022	. 08032		
2.	200.0051	299, 390			158	39178	00020	. 00023	.07759		
2 :	1200.800	399.400	•		203	77:00:-	15000	.00053	. 08236		
2	200.700	599 690	05393	01206	206	00178	50.00	. 00053	. 78299		

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		6.61	£	00707	01292	₹6000	00306	01498	01461	01207	01208	6.61	S.	.00606	.00216	00330	62210 -	02052	01209	01208	01207	6.61	E C	. 02045	01045	02175	02000	01299	01209	01209	01209
	089.6000 IN. XO.000.0000 IN. ZO	RN/L -	3	0.7670	05279	03122	.00757	.03261	04550	05398	05357	PN/L	8	0.650	.00592	02438	58120	72600 -	05400	05399	05392	RN/L -	Z	<b>2</b> 6020.	.07531	. 03869	02016	05150	05395	05389	÷.0539¥
	6801	0. 5/ 0	~	2.930	100.670	197.930	301.710	399.860	599.840	799.430	1000.500	0. 6/ 0	7	509	100.250	080.004	206 910	199 920	596 630	795.280	1000.100	0. 7/ 0	•	1.70	99.99	200.002	300.950	€00.00¢	599.990	799.600	1000.0001
REFERENCE DATA	SREY = 2890.0000 SQ.FT. XHRP LREF = 1290.3000 INCHES YHRP BREF = 1290.3000 INCHES ZHRP SCALE = .0100	RUN NO.	×	<b>9</b> 70.	₹80.	620	920.	501.	951.	960	320.	RUN NO.	×		001.004	96.001	001:001	005:004	00E 004	08 h 00 h	017,007	RUN NO	>	097.008	077,000	0100	077,008	800.520	064,008	630 600	05+.008

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IAI3 SOURCE DATA

# IA13, EXTERNAL TANK (T10) SEPARATING FROM ORB. 09

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(£132)	PARAMETRIC DATA	53.0 000 000 500 000		76.80° 28780°	1,6960.	.0821 <b>5</b>	. 09277 . 08296		<b>t</b>	C82-5	. 08665	**************************************	.08071	16260	.08285		5	.08967	.09234	74773.	64610.	.0829 <b>3</b>	.0829€	. 08290	.08286
		HACH ALPHA - DALPHA - ELEVI9 - Y			60 00°-	€£ +€0.	55000.		180	8:505.	<b>6</b> 5100.	19600	.01023	28000	5500 J		9	.01028	<b>₩</b> 5600,	32000.	.03922	€2000.	<b>≥</b> ≥000.	.0002 <b>2</b>	. 00022
OH ORB. 09				CYN . 00324	00047	00059	00018 00018		CAN	94200.	00132	\$7000°-	00019	8:000·-	-, 00019 -, 00018		Š	00279	11100	0033	0.318	<b>6</b> 10000'-	<b>6</b> 1000-	3001B	<b>8</b> :000:-
IAI3,EXTERNAL TAMK(TID)SEPARATING FROM 098. NG				CY .01286	,00934 ,00634	75000.	-,00146		Շ	0.61340	20. 20. 20. 20. 20. 20. 20. 20. 20. 20.	90000.	E+100	00146	00146		ò	59410	.00359	-,00085	00143	₹7.00	00145	34150.	00146
TANK (T10) SE			6.61	CLM .00005	-,00846 -,01845	02078	0120 <b>5</b>	6.61	CL	00309	1.0.0.	01946	01191	01208	01208	6.61	Ş	02332	02905	1.01541	01158	01208	01.207	0:207	±.0t≥36
3.EXTERNAL		07 'N; 0000'00% 02 'NI 0000' 04 'NI 0000'	RN/L .	CN 00878 .09176	.01454	0117 <b>3</b> 0529 <b>5</b>	- ,05297 - ,05297	- 1/K	Š	02869	*5550. 85080	B0 420 '-	05357	05308	05297 05295	- L	3	.39554	.03780	10540	05431	- (5291	05337	- 0529 <b>2</b>	- 05297
<u> </u>		6801	0. 11/ 0	181	<b>203</b> .320 303.750	400.850 600.130	391.1 <b>666</b>	ر 10/ 0	2	£.3	200.150	239.940	399.530	599.770	199.980	0 /6 .0	2	376	100.340	201.370			589 630		ු <sub>ර රාර</sub>
	REFERENCE DATA	2690,0000 50.FT, XHRP 1290,3000 INCHES YHRP 1290,3000 INCHES ZHRP	RUN NO.	X CE003330 PG00,330	400,360 400,340	400.320	400 380	RUN NO.	×	800.510	800.4.008	800.520	900°2+0	820. <b>520</b>	085,008 80,008	E S	×	1200.700	1200,800	1200 703	0	Ç	o		1200 BCD
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					IAL.	EXTERNAL	TAN ((T10) SE	IA15.EXTERNAL TAK (TID)SEPARATING FROM ORB. 09	10H ORB. 09		(RTJ004)	14) (31 JUL	J. 275 1
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SAEF LREF BREF SCALE	2690.0000 1290.3000 1290.3000	SQ.FT. INCHES INCHES	XMRP YMRP ZMRP	· · ·	0000.0004	089.6000 IN. XO.0000 IN. YO.				MACH ALPHA BALPHA BELEVTR Y	4.530 .000 .000 .000	PTOTAL = BETA = OBETA = A ILRON =	110.037 000 5.000
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		o -	\$ 0.0 8.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	199.810		02975	/0600	90000	00530	. 00169	01260		
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		101	-	596,900		04582	0'431	00127	00023	6£000.	. 07992		
		÷ (		799.860		05292	01206	94100	00017	.00022	. 08281		
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ř.	PARAMETRIC DATA	4.539 , 000 , 000 , 000 200		₹	e 169.	.08095	44770.	.07880	81080.	. 08292	. 08299	. 08295
		HACH AUPHA OALPHA ELEVTR		<b>8</b> 5	٠٠.	.096	67.30.	€20001	€2000.	56360.	. coos	.00022
OH ORB. 09				CYN	00236	00093	-,00032	00018	00016	00017	00017	00016
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IAI3,EXTERNAL TANKITIOISEPARATING FROM ORB. 09			6.59	CL#	-, 02455	-, 02935	01698	01170	01179	01208	01209	01209
3,EXTERNAL		0089.6000 IN. XO. 0000 IN. XO. 0000 IN. XO. VO. 0000 IN. XO.	RN/L .	S	. 12402	.04897	03778	05430	05397	05306	05304	05302
<b>1</b>		• • •	0. 16/ 0	2	1.862	99.687	200.002	299.830	399.470	599.460	800.190	1000.100
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	æ	SREF = 2690.00 LPEF = 1290.30 BREF = 1290.30 SCALE = .011										
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TIO SEPARATING	
7.05	
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IA13, EXTERNAL	
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(RTJ005) (31 JAL 75 )

PARAMETRIC DATA	MACH - 4.530 PTOTAL - 110.000 ALPHA000 BETA000 DALPHA000 DBETA - 5.000 ELEVTR000 AILRON000		CBL CA 00217 .07361 00166 .08975 00011 .08979 .00074 .08721 .00078 .08900 .00019 .07968 .00022 .08305
	r « O w >		0015 00034 00034 00037 00011 00015
			CY 00766 00507 00527 00454 00177 00163
	×0 ×0 20	6.59	01023 01333 00131 00299 01472 01472 01209
	1089.6000 IN. Y	RN/L -	CN - 06154 - 05796 - 02911 - 00765 - 04486 - 05354
	108	40. 20/ 0	2 .791 98.994 199.420 301.810 398.300 600 250 799.890
REFERENCE DATA	0000 SQ.FT. XMRP 3000 INCHES YMRP 3000 INCHES ZMRP 0100	PCF NO.	x .055. .0.66 .117 .129 .097 .099
	SPEF = 2690.0000 SQ.FT. LPEF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100		

1A13 SOURCE DATA	
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PAGE 7	1 0RB, 09 (RTJ005) (31 JUL 75 )	HACH = ".530 PTOTAL = 110.000 ALPHA = .000 BETA = .000 DALPHA = .000 JETA = 5.000 ELEVTR = .000 AILRON = .000	
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	CB.	00138	~ .00082	S0000.	00219	66000'-	. 0002 <b>2</b>	.00022	5,000.		SPL	9210، -	00075	00307	00046	.00018	. 00022	. 00022	.00022		CBL	00555	00237	.0000	. 0002 <b>2</b>	.00022	.00022	. 00022	.00022
	CAN	00308	00128	62000	.00075	00003	-,00015	00015	00015		CYN	00204	. 00052	60000.	00003	00015	00016	00016	00016		CYN	61000.	80000.	noooB	00015	00016	00018	00017	00016
	ሪ	00828	00725	00488	00620	00227	94100	00147	-,00151		Շ	00556	00717	00332	00212	00153	00153	00152	00153		ς	00596	00328	0018	00147	00147	00146	00145	00147
	CL#	.00498	.00218	00383	01832	02052	01205	01205	01205	6.59	C L	.01785	8+600	02200	-,02009	01295	01205	01206	01205	6.59	CLH	01808	02717	01895	01182	01206	31208	01206	01208
- 1/K	8	02868	.00635	. 02602	91840.	00883	05310	05303	05311	RN/L	ટ	.07055	. 06825	.04335	01856	05086	05313	05309	05394	RN/L .	S	. 14235	.05101	03069	05378	-,05307	05306	05303	05300
0 /81 0	2	282	101.810	199.790	299.910	401.290	600.080	799.680	999.870	0. 18/ 0	7	.901	100.230	199.970	300.110	398.920	599.960	799.770	1000.100	0. 17/ 0	2	1.160	100.490	200.690	300.480	400,590	599.84C	051.661	999.950
2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	×	400.480	400.250	400.330	400.490	400.370	400.430	400.350	400.450	RUN NO.	×	806.570	800.540	800.570	800.510	800.500	800.650	800.620	800.600	RUN NO.	×	1200.600	1200.700	1200.700	1200.600	1200.700	1200.700	1200.700	1200.800

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(RTJ006) (31 JUL 75 )

	000°.																																		
DATA	PTOTAL = EETA = DRETA = ALRON =																																		
PARAMETRIC DATA	000 (g)		٧	.09520	.08679	10580	(1967 D.)	-0830S	. 08297		3	.06530	.08934	.08180	90180.	.0830	.083:0	.0830+		₹.	.08203	1981	07870.	.08286	. 08290	.09286 .08295		5	.07686	. 08038	.07560	.08255	£6560.	09293	.08289
	MACH ALPHA BALPHA BALPHA BELEVTR Y		<b>8</b> 5	£1000°	26000.	220 <b>00.</b>	9:000.	.00022	<b>2</b> 2000.		ő	. 00023	.00033	00003	. 00022	.co022	.00022	.00022		CBL	00035	60000.	12000.	.00022	.33022	. 0002 <b>2</b>		<b>18</b> 5	*1000.	.0002	.00021	. 00022	. 00022	. 09022	.00022
			CYN	00045	00036	00012	51000	00015	00015		CYN	00013	61000	00011	00014	00014	00015	00015		C	00006	90010	£1000'-	00015	<b>≯1</b> 000°-	+1000 00014		CYN	60000	+1000·-	00015	00014	00014	+1000	. 0001 -
			Շ	00232	-,00235	+0200	00157	00157	00159		Շ	00272	00192	00182	00162	00165	00164	00162		Ċ	00221	00186	00164	06151	00160	00151		Շ	00186	00170	00165	00188	00165	00:65	00163
		6.59	<del>ر</del>	06400'-	00007	186.00	01835	01207	01207	6.59	CLM	00376	01323	02301	₹0110°-	01206	01208	01208	6.39	C.	02173	02396	01632	-,01205	01206	01205 01205	6.59	r U	02519	01357	57110°-	01207	012D4 •	01207	01205
	089.6000 IN. YO. 0000.0000 IN. YO	RN/L	8	13310.	57710.	95050	05349	05358	05346	RN/L	ટ	.05598	.06355	.02750	05404	05354	- 05360	05352	RN/L	ટ	.08465	.01127	600407-	05321	05325	05326 05332	- 1/NG	Š	- 000 <b>6</b> 4	34951	05530	05337	05327	05327	55327
		JO. 21/ 0	2	199.110	301.420	599.810	799.930	939.320	1300.300	0. 22/ 0	2	199.820	300.200	393.880	595.810	799.900	1000.300	1300.200	0. 23/ 0	2	200.390	302.760	400.450	600.010	799.760	1000 . 009 1299 . 700	. ¥. 0	7	199.860	297.210	399.690	599,070	6600,140	1000.100	1299,600
ENCE DATA	SO.FT. XHRP INCHES YHRP INCL S ZHRP	RUN NO.	×	.117	= = =	110.	661.	760.	. 502	PCN NO	×	400.310	400 S80	400.330	400.330	400.400	400.450	400.520	RUN NO.	×	800.510	800.5+0	800.620	800.510	800.440	800.500 800.610	RGN NO.	×	1200.900	1200.600	1200,600	1200.700	1200.700	1201.000	1500.800
REFERE	2590.0000 1290.3000 1290.3000																																		
	SREF BREF SCALE																																		

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<b>6</b> 9	1.75		000.																															
PAGE	7) (31 JUL 75	DATA	PTOTAL • BETA • DBETA • All.ROM •																															
	(RTJ007)	PARAMETRIC DATA	000°.		CA	. 08733	.07823	. 08257	.08283			ర	.08617	₹080°.	rsrro.	.09279	.08281	. 08279		ð	18770.	.07565	. 08265	.08282	.08286	.0827 <b>2</b>		ð	71870.	.07750	.08279	9,280.	.08281	5 100
			MACH ALPHA DALPHA EELEVTR		CBL CBL	0000.	90000	52000.	.00022 .00022			<b>8</b>	50000.	00005	.00021	.00021	15000.	15000.		क्र	₩0000	51000.	15000.	.00021	.00021	.00021		CBL	05000.	15000.	1.00021	15000.	15000.	. 00061
	1 ORB. 09				N.	\$5000	60000'-	+1000	+10001-			CYN	00017	80000 -	00010	00012	00012	≥10001-		CYN	B0000 -	60000 -	00012	00012	00011	00011		2	11000 -	00010	00012	- 00315	00012	1.000
	RATING FROM				ò	00303	00188	00159	00164			ò	- 00150	00156	00125	00120	-,00121	00120		::	- 00147	-,00126	00117	00119	00119	00119		}	12.00	0E100	00125	₹100	₹100	₹100
	1413,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09			6.59	r L	<b>6</b> 2100	0110	01201	01205	20.	6.59	<b>1</b> 0	2004	CB810	- 01379	30000	01203	-,0,203	6.59	3 5	10000	10000 -	01202	01204	01206	01203	6.59	į	מארוט -	00000	- 01204	01204	+0210	01205
	EXTERNAL TA		000.000 1N, XO 0000 1N, XO 0000 1N, YO 0000 1N, YO	RN/L	&	13527	52680.	05315	05318	61660	RN/L .	2	, 30 F	. : < 563.	01240	01/40	- 05191	05187	RH/L -	ā	F. 7	00000	econor.	05182	-,05184	05174	RN/L	į	בי ני ני	10000 - 1000 W	05195	-,05199	-,05189	05183
ATA SOURCE DATA	1413.			ŝ	~	299.870	399.570	800.210	999.310	1299.500	. 28/ 0	•	7	300.010	399.490	600.490	800.040	1300.400	0 //3 .		7	300.180	401.000	799 750	1001 100	1299.730	0 /82 0	ı	2	300.080	599.980	799.760	1000 36J	1299.500
2 1 4 1	2	;	S ZHRP	SE NO	<b>&gt;</b>	.057	-,116	2 2	900	029	RUN KO.	;	×	400.430	400.450	400.340	400.340	400.400	PUN NO.		× ;	800.500	800.700	930.540	590.00	800.580	AZN NO.		×	1200.700	1200.700	200.000	1200.800	1200.700
i i	e e		REFERENCE DATA 2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES											Ŧ	<u>\$</u>	Ŧ	<b>,</b>	* 3			•	Ф (	ac c	to a	o a	o co					9 0		9 10	16
	DATE 02 AUG		SREF LREF BREF																															

(87.J., 3) (31.JUL 75.)

IAI3, EXTERNAL TANK (TIO) SEPARATING FROM ORB. 09

	000. 000. 000.								,																							
DATA	PTOTAL - BETA - DBETA - ALRON -																															
PARLIETRIC DATA	000.005 000.01- 000.005		۲۵	. 08235	.06787	05370.	49686	.08265		₹	.08501	.08156	56770	.08255	. 08266	01، 30 .		ర	. 07825	07525	.07895	46897	. 0827 <b>2</b>	.08267		¥	.07739	54570.	. 08269	.08278	. 08269	. 09280
	MACH ALPHA CALPHA CALPHA C		<b>6</b> 5	66:00	££100.	.00863	02000	. 00020		ඡ	96100	¥6960°	05000.	.000.	.00021	1,0000.		85	94110.	.00214	12000.	1,3000.	.00021	.00021		85	€:000	.00020	. 00021	12000.	1,000	.0. 221
			CYN	.00250	91000-	-,00076	11000	11000		Š	00163	00182	00011	00011	0001€	11006		CYN	00139	00031	00011	1:000	11000	00011		CYN	00015	11000	00012	00011	0001 <del>2</del>	00011
			72	.02423	01810	16100.	00122	00123		ઠ	.01579	.00787	00118	00120	00122	00123		Շ	. 00522	.00018	00121	00122	₹100	₹100.		Շ	00102	00117	00119	00122	00120	00123
		6.39	SC.	00815	01228	02257	01202	01203	6.39	CL#	01780	02320	01258	01201	01203	01203	6.59	CLH	-· 02809	01935	01165	01203	01203	01203	6.59	r,	90+10:-	01142	01202	-,01205	01203	01205
	.0000 1N. YO .000.000 1N. ZO	RN/L .	ĸ	\$150T	0.070	14/00	05173	05174	RN/L	ક	10180.	.04753	05024	05156	05162	05171	- J/W	3	.05239	02588	-, 05304	05!92	05185	05175	- 1/A	Š	04634	05350	05171	05171	05166	05176
	009	. 32/0	2	299.780	399.940	798.100	1000.100	1300.900	. 31/ 0	2	300.140	399.980	F00.050	079.670	999.740	1300.200	30/0	7	300.380	400.030	599.160	799.850	1000.300	293.820	0 /62	2	016∵65∂	401.290	600.030	026 661	005 0001	1299.900
REFERENCE DATA	2690.0000 SQ.FT. XHRP 1290.3000 INCHES YHRP 1290.3000 INCHES ZHRP .0100	RCN NO.	×	.0 <b>6</b> 2	5 F.	. 252	605.	. 366	RU NO.	×	400.260	400.310	400.370	400.350	400.350	400.370	RUN NO.	×	800.620	800.690	800.420			800.650	RGN NO.	×	1200.700	1200.900	1200.700	B00		000
82	SPREF = 2590.0000 LPREF = 1290.3000 SPREF = 1290.3000 SCALE = .0100																															

PAGE 11	(RTJ009) (31 JUL 75 )	IC DATA	PTOTAL - 110.000 BETA000 DBETA - 5.000 A1LROM000																													
	(RTJ	PARAMETRIC	-10.000 -000 -10.000 -000		۲	.09023 .08782	.07842	. 08248	. 08271		S	\$C\$80.	.08271	<b>TSTT0.</b>	.08277	n8228	. 08269		క	.07822	.07502	.08254	.09264	.08256		5	557 TU.	.07511	08267	49280	. 09252	. 08262
			MACH ALPHA - DALPHA - ELEVTR -		CB.	*6000 · -	04500	000050	02000.		뼔	.00570	.00591	.00031	02000.	.00020	.00020		85	15010.	₩8100.	12000.	000000	00050		65	18000.	.00000	.00020	.00020	. 00020	000500
	10H ORB. 09				CYN	. 00032	000050	11000.1	1.000		Z.	00085	00!61	00010	00011	00011	00010		C	00107	00030	20010	0.0001	00011		CYN	₹1000°-	60000 -	-, 00010	00010	00010	1.00010
	1A13,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09				<u>ک</u>	1910.	.00125	00119	00123		Շ	16110.	. 00695	0011B	-,00122	00123	00125		Ç	.00398	.0000	0012 <b>2</b>	00123	00123		۲,	00097	00117	00119	00119	00121	00121
	TANK (T10) SE		0.00	6.58	<b>H</b> TO	44C00	02345	01201	01203	6.58	ار 1	02245	02442	01298	01203	0120:	01202	6.58	<b>L</b> 10	03001	22005	01199	01201	01200	6.58	F-7	01508	-,01139	01501	01201	01201	0120 <b>2</b>
4	3,EXTERNAL		089.6000 IN. XO. 0000 IN. XO. 0000 IN. XO. 0000.	FR/L	8	91/41.	.01143	05146	05168	RN/L	3	16611	.05264	04905	05158	05145	-,05148	BA/L	ક	.08283	03259	05:30	1,05141	05138	RN/L .	8	04732	05350	05164	05153	05151	05!46
IAI3 SOURCE DATA	141			0. 33/ 0	2	399.610	602.350	800.040	1299.900	0. 34/ 0	7	300.060	399.810	600.320	799.940	1000.100	1300.300	0. 35/ 0	2	300.170	400.940	600.290	199, 790	1.299.700	5. 36/0	2	300.060	400.120	598.800	799.690	1900.300	1293.600
AUG 75 1A13		REFERENCE DATA	2890.0000 50.FT. XHKP 1290.3000 INCHES YHRP 1290.3000 INCHES ZHAP	RUN NO.	×	033	2.5°	÷0≥.	5 E	RUN NO.	×	400.510	940.340	077.007	400.310	015.005	400.500	RUN NO.	*	800.450	800,700	800.530	0.00 0.00 0.00 0.00	800.400	RUN NO.	×	1200 800	1200,700	1200.500	1200.700	1230.800	1200,700
DATE D2			SREF LREF BREF SCALE																													

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16TUC101 (31 JAL 75 ) TALE EXTERNAL TANKITIONSEPARATING FROM ORB. 09

ARAMETRIC DATA	PTJ:46 - 11		- V.3.0 000'01	.000 ATCRON	000°. • Y
	1089.6000 IN. XO	• .0000 IN. YO	400.0000 iN. ZO		
	•	•	•		
∢	XMRRP	YHAP	2MRP		
REFERENCE DATA		LREF - 1290.3000 INCHES	- 1290.3000		

ĊΥ	01580	-, 00:355		001≥9		011990012700009	6.57	כרש נג כגא	00701	0247500452 .00046	013680012800007	012010012000010	012020012003010	012000012000010	6.57	CLM CY CYN	0290200305	₹100	00126		•		6.57	כא כא	017%50013100008	00120	- 00110	06.00
			- 40E10.		•	- 64150	RN/L . 6.	8	038	- 88+80	04821	05131	05138 -	05133 -	RN/L . 6.	3	- 06276	01826 -	05312	•	05138 -	•	RN/L . 6.	3	03585			1.05144

(RTJ011) (31 JUL 75 )	PARAFETRIC DATA	MACH - 4.530 PTOTAL - 110.000 ALPHA000 BETA000 DALPHA20.000 OBETA000 ELEVTR000 AILRON000 Y	
IA13,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09	REFERENCE DATA	SREF = 2890.0000 50.FT, XMRP = 1089.6000 IN. XO LREF = 1290.3000 INCHES YMRP =	PR. NO. 41/ 0 PA/L = 6:57

	CA .09731 .07478 .07471	CA .07249 .07730 .08257	.07855 .08248 .08257 .08250	CA .07047 .08259 .08264
	.00033 .00013 .00019	CBL .00007 .00020 .00020	. 00020 . 00020 . 00020 . 00020	CBL .00018 .00020 .00020
	CYN 00003 00007 00007	CYN .00000 00006 00006	CYN - 00003 - 00006 - 00006 - 00006	CYN 0000 <b>3</b> 0000 <b>5</b> 0000 <b>6</b>
	CY 00227 00144 00123	-,00158 -,00124 -,00125	00125 00125 00126 00126	CY 00126 00129 00130
6.57	CLM 03993 03527 0136 01201	05218 01151 01196 01197 6.57	CLM 01255 01195 01197 01197	01100 01197 01197
RN/L	CN .36699 .03358 05140 RN/L •	CN .11455 03244 05107 05112	CN 04974 05092 05102 05107	05416 05109 05105
41/ 0	2 600.520 800.580 999.450 1298.400	~ 0 6 6 6	2 601.380 800.020 1000.100 1299.800	2 600.610 799.050 999.700
RUN NO.		X 401.340 6 400.150 73 400.500 13	800.916 6 800.480 8 800.600 10 800.350 13	x 1200.800 1200.200 1200.600

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2) (3) JUL 75	DATA	PTOTAL • 1 SCTA • 09ETA • ALRON •									
(RTJ0;Z)	PARAMETHIC DATA	+ 530 500 -20,000 500 200,400		CA .09570 .07570	.08261		CA . 07574 . 07421 . 08255		CA .07935 .08137 .08252		CA .07211 .08260 .08265
		MACH ALPMA DALPHA ELEVIR Y		<b>.02:04</b> 40:507,	02000.		CBL .01210 .00020 .00030		CBL .00020 .00020 .00020		CBL . 00020 . 00020 . 00020
M ORB. 09				CYN 00489 00061	-,00005		CYN 00138 00005 00005		CYN 00003 00005 00005		. 00007 . 00005 . 00005 . 00005
ARATING FRO				CY .02935 .00203	00139		. 00549 00127 00131		57 00128 00133 00133		CY 00126 00129 00130
1A13,EXTERNAL TANK(T10)SEPARATING FROM ORB. 08			6.56	CLM 04077 03088	01197	6.58	04265 01128 01126 01196	6.58	01163 01181 01196 01198	8.58	01108 01197 01197
3,EXTERNAL		089.6000 IN. YO. 400.0000 IN. ZO	RN/L .	CN .28091 .01645	05121	RN/L.	CN .07630 05313 05107	RN/L	CN 05193 05154 05110	FN/L	CN 05364 05113 05111
141			). 48/ C	2 599.780 800.720	300	0. 47/ 0	2 602.380 800.150 999.530 1300.300	0 /94 .0	2 599.530 799.130 1000.200	. 45/ 0	2 601.480 800.490 1000.300 1300.100
	REFERENCE DATA	SQ.FT. XHRP INCHES YHRP INCHES ZHRP	RUN NO.	X 503 725	# E	PEN NO.	X 000, 530 400, 530 400, 530	PON NO.	800.210 800.210 800.520 800.410	PUN NO.	X 1201.000 1200.700 1200.000
	REFER	2690.0000 50.FT. 1290.3003 INCHES 1290.3000 INCHES									
		SPREF BREF SCALE									

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IAI3 SOURCE DATA

(RTJ013) ( 31 JUL 75 )

## IAI3, EXTERNAL TANK (TIO) SEPARATING FROM ORB. 09

PARAMETRIC DATA	- 4.530 PTOTAL - 110.000000 BETA00020.000 DBETA - 5.000000 AL.RON000			109490				CA	.07264	.0783¥	. 08253			۲,	.08016	. 08257	. 08257	. 08261		۲.		.08261	. 082 <b>58</b>	. 0825 <b>2</b>
	MACH ALPHA DALPHA ELEVIR		<b>6</b> 5	.00513	02000.	.00021		85	<b>+0600</b>	.00021	.00021	.00021		85	.00023	.00020	.00021	.00021		뜅	.0000	15000	.00021	1,5000
			CYN	00245	£0000	-,00005		CAN	00100	00305	00005	-, 00006		Z.	00005	00005	-,00005	00006		CYN	00008	00005	00005	00005
			Ç	96510.	00138	00138		Շ	.00388	00132	00133	00135		Շ	00130	00133	00136	00137		Ç	00129	00137	00139	00139
	2.00	6.58	CLM	11040	01135	01196	6.58	C.	05493	01156	+6110	01195	6.58	6.4	01205	01195	01195	01196	6.58	E J	01100	01197	01196	01196
	1089.6000 IN. XO. 0000 IN. XO. 400.0000 IN. ZO	RN/L -	S	.35088	56550	05112	RN/L	ટ	. 12522	05215	05098	05101	RN/L	8	05073	05091	05099	05102	RN/L	ટ	05388	05101	05132	05107
		0 /63 .03	Z	600.830	999.450	1300.000	40. 50/ 0	7	600.710	800.070	1000.000	1300.300	60. 151. 0	2	601.380	800.120	1000.200	1299.900	.O. 52/ 0	2	600.760	198.970	999.680	1299.900
REFERENCE DATA	SREF - 2690.0000 SQ.FT. XMRP LREF - 1290.3000 INCHES YMRP BREF - 1290.3000 INCHES ZMRP SCALE0130	RUN NO.	×	706	551.	890	RUN NO.	×	082.104	400.230	400.410	400.350	RUN NO.	×	800 8+0	800 4≥0	07.4.70	06+1008	PUN NO.	×	1200.600	1200.200	1200.600	1200.760

IAIS SOURCE DATA

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147.30 1.31.30L.75 3

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ORB.
FROM
ATIND
SEPAF
ANKITIO
ERNAL 1
II3,EXT

	110.036 5.037 5.037 5.037																						
DATA	PTTAL • "PEL" ALCRON •																						
ARAMETRIC DATA	000°		<b>CA</b> .09871	.07561	. 08258		₹	+1+20.	.07559	. 08269	. 08262		3	.07896	.07427	. 08255	.08258		ర	.07113	.08256	.08260	. 08255
	MACH ALPHA - DALPHA - ELEVIR -			9€200	02000.		res Ger	Fc=00°-	05- CO.	18,001	150.0.		g	81000	.00020	12000	1.0000.		æ	61000.	.00020	15000.	.00021
			CYN .00226	.00043	+00000		CAN	.00071	00005	00005	00005		CYN	00004	00005	00005	-,00005		CYN	00003	00005	00005	00005
			CY 01894	76200	00138		ć	00552	00136	00135	00137		5	00141	00138	00138	00137		ć	00139	00137	00138	04100'-
		6.58	CL.M 03956	-,03423	01197	6.58	C.	04746	01139	01197	01197	6.58	5	01255	01127	01195	01196	6.58	SL.	01104	.01195	01196	.01.95
	1089.6000 IN. XO. 0000 IN. XO. 400.0000 IN. ZO	RN/L -	CN . 34765	.03225	05092	RN/L .	S	<b>9</b> 0660.	05261	05102	05102	FN/L -	ક	04968	05314	05104	05101	RN/L	S	05374	0503 <b>5</b>	5098	- , 05097
		0 26/ 0	Z 599.420	800.700	1300.509	. 55/ 0	~	603.180	800.140	049.666	1300.300	0 / 10 .	2	599.600	799.090	1000.100	1300.000	. 53/ 0	7	601.520	800.5+9	1000,400	599.800 1.299.800
REFERENCE DATA	ID.FT. XHBP NCHES YHRP NCHES ZHBP	RUN NO.	× 156	<del>8</del> 8	6 96 96	PCN NO.	×	400.550	400.230	400.070	₩00.č30	RUN NO.	×	800.340	900.060	800.520	900.500	RUN NO.	×	1201.000	1200.900	1200.800	1200.600
REFERE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES																						
	SREF • BREF • SCALE •																						

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		000.011								
(RTJ015) ( 31 JUL 75	DATA	PTOTAL - 11 BETA - GBETA - AILRON -								
(RTJ015	PARAMETRIC DATA	000. 000. 000. 000. 000.		CA .07937		CA .07140		CA . 38251		CA .0825₩
	-	MACH - ALPHA - DALPHA - ELEVTR -		.00020		CBL . 00018		CBL . 00020		CBL .00020
FF 3788. 09				CYN 0000%		CYN 00004		CYN 00004		CYN - 00003
ARATING FRO				CY 00128		CY 00131		CY 00137		CY - 00340
DATA 1A13,EXTERNAL TANK(T10)SEPARATING FROM ORB: 09			6.58	CLM 01258	6.58	CLM 01109	6.59	CLM 01196	6.58	CLM - 01107
EXTERNAL 1		1089.5000 IN. XO .0000 IN. YO 400.0000 IN. ZO	RN/L =	CN 04927	RN/i.	CN 05353	RN/L	CN 05067	RN/L .	C.S.
IAIS SCARLE UAIA	REFERENCE DATA	2690.0000 50.FT. XM9P = 1089.6 1290.3000 INCHES YMRP = .0 1290.3000 INCHES ZMRP = 400.0	RUN NO. 57/ 0	X X X X X X X X X X	RUN NO. 58/ 0	X Z X 400.170 1300.300	RUN NO. 59/ 0	X X 800.000 1300.000	RUN NO. 60/ 0	2 X
DATE OZ AUG 75	æ	SAEF = 2690.01 LREF = 1290.3 BAEF = 1290.3 SCALE • .0								

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(RTJ016) (31 JUL 75 )

	000.001								
DATA	PTOTAL • BETA • OBETA • ALLRON •								
PARAMETRIC DATA	600.84 000.84 000.80		₹	<b>L*660</b> .	.10550	.09907	77460	.09324	97560.
•	MACH ALPHA DALPHA ELEVIR Y		95	.00030	.00056	₹200€.	80000	036	. 30036
			3	00048	96000'-	00052	90035	500 19	00039
			Շ	00158	00295	00255	00219	00201	00198
		6.60	£	01736	00717	00872	+6810	01973	01587
	089.6000 IN. XO. 0000 IN. YO 400.0000 IN. ZO	RN/L -	8	-,15719	12997	09588	<b>49</b> 460 -	13478	15339
		0 /19	2	. 082	71.977	203.270	304,300	400.000	6.00.009
DATA	X2489 5 Y1480 5 Z1480	\$ 8	×	228	.177	175	88	.238	9:-
REFERENCE DATA	SPEF • 7590,0000 SQLFT. LREF • 1290,3000 INCHES BREF • 1290,3000 INCHES SCALE •								
	SPES - LAES - BPES - SCALE -								

(RTJ0.6) (31 JUL 75 )

	110.030																										
C DATA	P10" . • BETA •	D95.7A =																									
PARAMETRIC DATA	4.530	<b>5.</b> 000 .⊘.	000.		₹.	9865	39860	.09559	.09323	. 09252	.0939 <del>2</del>		3	. 03650	.09606	51860.	.09305	07860.	16260.		₹	84560	. 09295	61260	1,090.	09383	.09398
	MACH -	DALPHA -	• >-		CBI.		.03376	ം.00	.00 25	1:000	92000'		<del>1</del> 85	.00355	90000	.00033	92000.	.00036	.00036		ಕ	81000	.00027	.00035	.00036	.00036	.00036
					CYN	62100'-	-, 00059	00036	- 93037	00039	00038		CYN	00027	00038	-,00035	00038	00038	38,000,-		S.	63038	- 0003年	00037	0,000,-	00037	00037
					Շ	00376	-, 00253	00225	00200	00195	00197		Շ	00373	00227	00207	00197	00194	00196		ბ	B*500	00219	00199	00193	00197	30203
	0.0	•		6.60	¥70	. 00 <b>208</b>	00526	01793	02162	01666	01591	6.60	CL CL	.00298	01794	02269	01752	01586	01589	<b>6</b> .60	CLT	- 02141	02695	<b>5</b> 6610 -	0:554	01593	01593
	1089,5000 IN. XO. 0000 IN. YO	400.0000 1N. ZC		RN/L .	Š	096 <b>46</b>	08775	07920	12535	15145	15357	RN/L	3	04317	05841	11637	14889	- 15347	15363	RN/L .	3	05652	9+680·-	+81+1	15471	15343	15331
	1089			0. 62/0	2	974	100.140	199.990	300.080	3-8 850	600.210	0. 63/ 0	7	-, 391	100.430	201.910	300.180	₩00.06c	600.080	. 64/ 0	7	. 165	457.754	198.440	299.180	359,970	239,560
REFERENCE DATA	2690,0000 50.FT. XHRP 1290,3000 INCHES YHRP			RUN NO.	×	400.460	400.530	400.310	₩00.480	400.380	077.007	RUN NO.	*	900.590	900.700	900.730	800.610	800.630	630.670	RUN NO.	×	1200.600	1200.600	1200.730	1200.900	1,200,900	1200.930
	SAEF - 269 LAEF - 120	BREF • 124	<b>!</b>																								

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SREF . LREF . BREF . SCALE .

AUG 75	1A13 S	1A13 SOURCE DATA								<u>:</u>
		[13	S.EXTERNAL	(A)3,EXTERNAL TANK(TIO)SEPARATING FROM ORB. 09	PARATING FRE	¥ 089.09		(RTJ017)	7) (31 JAL 75	JE 75 J
RETERENCE DATA	Ā							PARAMETRIC DATA	DATA	
2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	XHRP YHRP ZHRP		1089,6000 IN. XO .0000 IN. YO 400.0000 IN. ZO				MACH ALPHA OALPHA E	000. 000. 000.	PTOTAL BETA BETA BETA AILRON B	000.
	8	65/ 0	RN/L =	6.59						
×		~	S	占	Շ	CYN	res Tes	₹		
•	. 155	1.116	12182	00622	00240	00074	71000.	6240		
	0,5	96.495	10631	<b>₹6</b> 110'-	00276	00069	. 00027	. 10633		
	.234	203.120	08707	£6+00'-	00321	+3000 -	11000.	10047		
	. 230	299.780	07545	69410	00631	. 00050	B. 0000			
	.212	401.930	- 11233	32115	00213	00036	15000.	93560		
	.362	599.670	15364	19510	00500 -	-,00037	85000	56560.		
	5	800.680	1 3 3 0 u	* SE I D . =						
	PCN NO.	0 /99	RN/L -	6.54						
×		2	S	CLM	Շ	C	CBL	۲,		
004	400.390	-1.781	08379	<b>≯</b> 6600°	15400	00147	€1000.	. 1 1662		
400	400.550	103,420	05886	0054 <b>6</b>	00293	00075	60000	64460.		
004	400.510	200.330	05619	01443	00297	91000'-	S+000.	06660.		
004	400.510	300.010	09933	02213	00212	00036	.00026	.09378		
400	400.510	396.220	14092	01940	00203	00037	.00035	. 09268		
00+	044.004	600.280	15340	01591	00202	00037	.00036	. 09390		
00+	400.680	800.220	15336	01591	00203	00036	.00036	.09388		
	₹9. <b>K</b> 0.	. 67/ 0	RN/L	6.59						
*		۲۰	Z	נר	Č	N Y	CBL	5		
008	80v.620	901.	76700	.01612	00430	01052	14000	60		
800	800.540	100.450	02228	01373	00255	00033	00019	. 09632		
800	800.640	203.720	08879	02449	00219	00036	.00029	. 0925 <b>2</b>		
608	800.590	300.310	13703	02054	00205	00035	.00034	09560.		
900	900.570	400.330	15413	0:559	02201	00037	.00036	.09187		
90G	640 E40	060.009	15341	01590	00206	00037	.00036	38£60.		
600	900.570	799,850	15331	01590	-,0620 <b>5</b>	00036	.00036	.09383		

ORIGINAL PAGE IS OF FOOR QUALITY

SREF . LREF . BREF . SCALE .

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(RTJ013) (31 JUL

### IA13, EXTERNAL TANK (T10) SEPARATING FROM ORB. M

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DATA	PTOTAL = BETA = DBETA = ALROM =																												
PARAMETRIC DATA	05.00 .000 .000		ర	61160	.10507	11660.	10027	.09360	.09370	.09384		5	. 10472	92260	08660	82560	88160	.09381	.09382		2	.09548	50960	85260	.09237	.09169	.09373	. 09378	
	MACH ALPHA OALPHA -		Æ	61000.	(700.	11000.	15000.	.000	.00035	.00035		CBL	11000.	60000.	74000.	.00026	.00035	.00035	.00035		5	84000.	61000'-	62000.	4£000°	.00035	.00035	.00035	
			CYN	- 00066	00066	00061	00036	00033	00035	00034		CYN	00136	00072	00014	00033	00034	00034	00034		Ž	00037	00030	00033	00033	00035	00034	00034	
				00237	-,00232	00326	00236	00217	09209	00211		Ç	00457	09305	00301	00221	00209	00208	00210		Ç	00 +11	00264	00225	00212	0021 <b>2</b>	00.310	00210	
	0	6.39	C.	00775	01193	00493	01489	02117	01592	01595	6.59	CL <b>H</b>	.00933	002¥0	01433	02215	01943	01593	01593	6.59	E,	.01232	01367	02452	02059	01570	01593	01592	6.53
	1089.6000 IN, XO	RN/L -	8	12055	10544	08640	07581	11182	-, 15331	-,15325	₽.// ₽	ઠ	07667	05855	05595	+.0987≠	14039	15313	15315	RN/L	3	00528	02175	08858	13677	15365	15297	15309	RN/L
	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0. 68/ 0	Z	10.721	96.595	202.980	299.810	402.010	599.590	800.430	0. 69/ 0	2	7.918	100.450	200.180	300.050	396.310	500.230	800.060	0 /0/ 0	7	6.999	100.330	203.820	300.340	400.390	600.030	799.870	0 /1/ .
RZYERENCE DATA	SO.FT. XHRP INCHES YHRP INCHES ZHRP	RUN NO.	×	. 170	. 156	.176	. 186	. 285	+82.	.377	RUN NO.	×	400.300	400.500	400.540	064.004	400.486	400.460	400.630	RUN NO.	×	800.530	800.570	800.570	800.620	800.520	800.690	800.780	RUN NO.
RZVER	2690.0000 SO.FT. 129c.3000 INCHES 1290.3000 INCHES																												

.09665 .09191 .09110 .09096 .09391

CBL -.00015 .00020 .00031 .00035 .00035

CYN -,00043 -,00032 -,00034 -,00034 -,00034 -,00034

CY -.00267 -.00232 -.00203 -.00203 -.00201 -.00203

-.01823 -.02843 -.02487 -.01555 -.01593 -.01591

-.01097 -.06014 -.12091 -.15372 -.15310 -.15302

2 10.998 100.260 196.040 299.550 399.790 559.670

x 1200.900 1200.900 1200.900 1200.900 1200.700

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## 1413, EXTERNAL TANK (T10) SEPARATING FROM ORB. 09

(RTJ019) (31 JUL 75 )

	000.011																											
DATA	PTOTAL BETA BETA BETA A DRETA A ILRON																											
PARAMETRIC DATA	4.530 -5.000 .000 .000		CA 10475	. 10508	.09738	02760.	.09355	04:60.	. 09378		٧	10017	+1760.	.09785	. 09382	. 09225	.09378	.09368		క	. 09760	. 09868	.09356	. 09143	. 09088	.09377	.09394	
	MACH ALPHA DALPHA EELEVTR Y		CBL	64100	00076	.00135	##E00.	.00035	.00035		CBL	17100.	.000 ·	.00185	.00457	.00061	.00035	.00035		.B.	. 00275	91500	.00566	6,000.	. 00035	.00035	.00035	
			CYN	. 00641	.00159	00137	00065	00035	00033		CYN	92600.	04100.	00153	00079	E+300'-	00034	00034		CYN	. 00059	00165	00087	9+000	00036	00034	00034	
			ربر ورو	.01960	.01388	.00743	00017	00203	00209		Ç	.03015	.01764	£¥600.	.00063	00166	+C500	00209		Շ	.02127	·0115	. 00128	64100	00 <b>2</b> 00	00200	00198	
IAIS, EATERNAL TARKITTUTSEFANATT		6.58	CLT CLT	-,00912 -,00912	6,800	01626	+0880	-,01569	n1594	6.58	C.	00358	٠.00974	01626	02349	01831	01595	01590	6.58	S.	€6100	-,31815	-,02553	01912	01566	01586	01588	;
ENTERNAL 1	.6000 IN. XO .0000 IN. YO .0000 IN. ZC	RN/L .	<u>ج</u>	16120	+9+60	09330	-,11332	-, 15368	15316	RN/L .	8	08383	08031	08424	10232	-,14565	15315	-, 15295	RN/L	8	05620	08321	-, 09191	14260	15386	15321	15349	į
7	6901	. 75/ 0	7	103.810	199.980	297.050	399,960	598.620	800.300	. 747 0	2	9.807	99.905	199.850	302.980	399.680	599.700	600.1008	. 73/ 0	N	10.069	99.60	200.040	296.890	399.860	599.630	799.950	
REFERENCE DATA	2690.0000 SQ.FT. XMRP 1290.3000 INCHES YMRP 1290.3000 INCHES ZMRP	RUN NO.	×	320	292.	192.	.233	+81.	.353	RUN NO.	×	400.420	400.480	400.520	400.460	400.420	400.500	400.510	RGN NO.	×	800.603	600.610	800.780	800.739	800.590	800.590	800.650	•
¥	SARF = 2690.0000 LARF = 1290.3000 3ARF = 1290.3000 SCALE = .0100																											

CA 09893 0,288 08979 09359 09377

.01178 .00112 .00101 .00035 .00035

CYN - 00199 - 00094 - 00034 - 00034 - 00034

CY .01088 .00271 -.00128 -.00208 -.00207 -.00207

CLM -.02642 -.02991 -.01553 -.01599 -.01591

CN -,00820 -,06978 -,13934 -,15414 -,15296 -,15308

2 10,057 104,520 200,470 300,190 400,560 600,690 900,010

1200 . 700 1200 . 800 1200 . 900 1200 . 900 1200 . 800 1200 . 900

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PEN NO.

IA13 SOURCE DATA

(31 JUL 75

(RTJC 0)

### 1413, EXTERNAL TANK (T10) SEPARATING FROM ORB. 09

	PTOTAL • 110.000 BETA • .000 OBETA • 5.000 ALLPON • .000																										
PARAMETRIC DATA	4.530 PTOTAL -5.009 BETA .990 0BETA .090 ALLPOM		5	. 10351	7 * 100.	74760.	.09333	99260'	00860.		ð	61101.	44LE0.	₹8450.	. 09280	. 09270	.09387	.09377		5	84580.	76760.	.09333	15160.	06060	<b>√8£60</b> .	₩1.
	MACH ALPHA - DALPHA - ELEVIR -		CBL	00100				. 90035	.00035		C.P.	+L000	-,00057	.001+0	06200.	₹9000'	. 00035	.00035		CBL	81100.	33.00·	00.40	.00	.00035	.00035	.00035
				5/500. 0		•			+E0003+		CYN	.01066		100127	_	•		00033		CYN		00160	-	9+000			00033
			-	0:000. 70			•		33 50207		Շ	*1*50. 08		_	_	•	*0500 16	90-00-06		Ç	_	_			•	•	1900207
	0 0 0 2 4 X	6.59		7.0000 6i				-	01593	6.59	נר	0 .00260	e00819	301541	902330		301591	801589	<b>€</b> .59	Ę,	300344	B01734				u01591	
	.0000 IN.	0 RN/L .		710569	•	•	•	•	015302	0 PN/L -	8	306460		•	•	•	015333	015318	- 1/NBJ 0	3	+03773	004718		1/041 0	•	•	
	7 +	RUN NO. 78/0		7.957			_	•	8 799.930	RUN NO. 77/0	2	5 9.443					0 600.300	900.320	RUN NO. 78/ 0	2	表1.01 0	001.001 0			-	•	799.850
REFERENCE DATA	2690.0000 SQ.FT. 1290.3000 INCA.S 1290.3000 INCAES	2	×	371.	*&?	161	.173	075,	852.	\$	×	¥00.236	400.560	400.510	400.450	004.004	400 · 410	08+:00 <del>+</del>	\$	×	800.370	600.653	800.670	900.770	800.730	800.720	800.570
	SAEF - 269 LAEF - 129 BAREF - 129 SCALE -																										

CA . 09864 . 09203 . 08988 . 08964 . 09391 . 09375

CBC .01023 .00631 .00034 .00034 .00034

CYN -.00159 -.00082 -.00034 -.00033 -.00033

CY .00913 .00246 -.00083 -.00182 -.00189

-.02590 -.02516 -.01557 -.01593 -.(:591

CN .00672 -,05995 -,13298 -,15344 -,15323

2 10.239 99.939 95.939 959.530 359.730 679.652

1200.900 1201.000 1201.000 1200.800 1200.800 1201.100

69.28

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PEN NO.

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PAGE 23	(31, JUL 75.)	₹	PIOTAL = 110,000 BETA = .000 DBETA = 5.000 ALLRON = .000																																		
	(RTJ021)	PARAMETRIC DATA	-5.000 ECTA .000 DBETA .000 ALLRC		₹	907.50	.10/30	. 09953	. 09360	.09166 .09375		•	. 10502	20800	. 0985.	08380	₩9260.	08380.	٠٦٤٥٥.		<b>V</b>	6/560	08960	. 09257	. 09222	82.160	.09372	. 09386		C.A.	16960.	.09195	11660.	98060	06260	.09381	
			MACH ALPHA DALPHA ELEVTR Y		평	00264	- 00162	.00066	00042	.0003¥		ā	00234	F0500 -	000.15	95000 -	75000°.	35000.	.00035		ĕ	00130	00280	00071	71000.	. 000 35	4£300.	. 000 35		180	002B4	00127	.00003	.00035	.00035	₹000.	
	PH 02/80. 09				CYN	00215	87100'- 60100'-	.00003	00027	-,00033 -,00032		3	- 00356	5000	80.00.	76000	62000	00033	00033		2	0.000-	.00018	00025	00027	00033	00033	00033		<b>Z</b>	11000 -	00019	- 01923		60033	00033	
	1A13.EXTERNAL TANK (T10) SEPARATING FROM 078. 09				Շ	01510	-,009 <b>95</b>	00521	00254	00205		3	- 0.685		1.000.1	(£000 -	55200	60800'-	00205		?	08610	0.611	00289	00223	00199	00198	00201		ć	-,00528	00338	002+3	00201	00202	00202	
	TANK (T10) SEF			6.58	G.H	01161	-,01207	01452	02128	01570	6.58	i	00739	60000	00686	/E210	- 01955	01592	01590	6.58	ĭ	0.1157	01292	02445	02102	01571	01591	01594	82.58	¥ 13	06210 -	02817	02427	01564	01594	01592	
_	S.EXTERNAL 1		.6000 IN. XO .0000 IN. YO .0000 IN. ZO	RN/L .	3	13115	1070 <b>6</b>	07565	10953	15415	R2/L -	į	ראפרט -	0.0300	02850	00000	06/60	M - M - M - M - M - M - M - M - M - M -	15301	RN/L	2	07000	02132	08353	3441	15367	15305	15325	RN/L	3	00882	05101	45€21	15402	15332	15320	, , 1
IAI3 SOURCE DATA	1413		1089	0. 83/ 0	2	11.090	101.730	297.310	400.020	597.760 800.510	0. 82/ 0	(	7	9.1.8	99.832	199.890	199 790	F09, 500	800.030	MO. 817 G	^	300	100.130	200.000	295.820	399.690	599.650	800.010	0 /08 .0	~	9 226	058.801	200.520	300.370	400,540	609.760	1
DATE 02 AUG 75 [A13		REFERENCE DATA	CAEF = 2690.0000 \$2.FT. XMRP LAEF = 1290.3000 INCHES YMRP BREF = 1290.3000 INCHES ZMRP SCALE = .0100	PCN NO.	*	.308	571.	908.	391.	8×E.	RUN NO.		× 0:	0/5.004	027.007	400.320	001		064:004	RCN	,	4 00 C	000 00B	900,70	800.530	600.630	600,730	800 . 660	RUN NO.	×	1,28 6051	002.0007	1200.000	1230.700	006:0021	006 0021	

je,	~ -	REFE	REFERENCE DATA	TA XMRP	•	IAIS,EXTERNAL TANKITIU)SEPARATING PROFFING ONE. US	_	PARAMETAIC DATA	IRTURSZI (*11.JUL.75. METRIC DATA .530 PTOTAL * 110.00	<b>110</b> .90
•  4.	-	290.3000	INCHES	YHRP	•	.0000 IN. YO	ALPIA -	-5.000	EETA -	
•	_	290.3000	INCHES	ZH47	•	400.0000 IN. 20	DALPIKA .	-5. n00	DI3ETA -	0.30
. 3	_	0100	_				ELEVTR .	000.		000
							• >-	000.		

0010				ı			ELEVTR .	000.	AILRON .	o.
	RUN NO.	£ 6	D RW/L -	6.59						
	×	2	Š	Ş	Շ	O'N	CBL CBL	ซึ		
	680	199.410	•	+9€00 -	00378	00081	.00035	. 10633		
	.226	299.790	C4871	01231	00258	00039	6:000.	.09729		
	. 222	400.170	07362	02180	00238	00030	S:(00.	.09288		
	<u>.</u>	599.670		01607	00212	00032	Si 000'	71260.		
	Š.	800.190		01590	00213	00031	65000.	.09376		
	514.	999.680	15325	01590	00213	00032	35055	.09382		
	1.532	1299.500		01591	00212	00032	. 33035	.09390		
	PUN NO.	NO. 95/ 0	0 RN/L .	65.59						
	×	2	3	CL#	Շ	CYN	<u>_</u>	ర		
	400.520	199.060	01398	01211	00261	B+000 -	.0003	. 0974 <b>5</b>		
	400.860	299.770	·	02288	00231	00030	. 00011	.09399		
	400.480	400.240	12131	02239	-,00209	05030	→£ 000°.	51160.		
	400.300	598.560	15401	01565	00199	00034	. 03035	.09133		
	400,480	800.440	15317	01590	00207	00031	<b>2£000</b> .	97860.		
	400.450	999.770	15323	01590	00208	00032	. r 3035	. n9380		
	<b>400.610</b>	300.400	15320	01590	• . 00209	63031	.00035	82860		
	RUN NO.	.w. 96/ 0	• PBV/L •	6.59						
	×	7	Š	r J	Շ	Z.	95	۲,		
	860,490	200,590	03636	02585	-, 002¥0	1.000	.0003	26060.		
	800.630	301.090	11508	02425	-,00219	00029	₹500°.	.08966		
	800.660	<b>400</b> .290	15037	01697	00212	00031	. 00035	. 39289		
	800.750	600,480	153:6	01589	00211	00031	. 000 35	.09377		
	800.760	800.223	:5311	-,01590	00211	00031	.00035	109377		
	800 690	999 500	15335	01591	00213	5003. <del>-</del>	<b>32</b> 600.	.09389		
	0:6:00e	1300.000	15320	01591	112001-	00031	.00035	.09381		
	PUN NO.	MO. 87/0	1 RN/L -	6.59						
	×	2	N <sub>O</sub>	E J	გ	z S	<b>8</b> 5	5		
	1200 800	290.030		02 <b>969</b>	00221	F 00027	0000	.08925		
	1200,800	638 852		01706	+0200	00031	.00035	.05234		
	1209.900	40m, 190	15+31	01556	00199	<b>₹</b> 000 -	. 00035	81060		
	206 0021	559,979	15322	-,61590	00206	20031	.00034	97860.		
	1200.800	090 665	-,15342	01592	00208	- 90031	.00035	06160.		
	1230 900	6-8 <b>6</b> -8	15319	01539	00210	005.31	32000.	5937.		
	001 10 <del>2</del> 1	1300 5.0	- :5:39	01591	F. 50624	12000	600.45	.09395		

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ORICINAL	PAGE 18
F 70×18	QUALITY.

KC Ly	L 75 )		000. 000. 000.																															
PAGE	3) (3) M	DATA	PTOTAL - BETA - CBETA - A1LRON -																															
	(RTJ023)	PARAMETRIC DATA	030°.		5	10435	18860	.09370	77560.	.09383		₹	11560.	.09805	1.08921	18860.	.09376	.09386		5	.08619	. 08997	55860	.09389	SEED.	\$1260		<b>∀</b> O	.:69:7	61960	29385	.09357	72860	.09386
			MACH - ALPHA - FALPHA - ELEVTR - Y		<b>18</b> 5	00003	35000.	₹0000.	.000.35	.00035		CB.	.00002	.00030	₩£000°	.00034	.00034	<b>₩£</b> 000.		ã	0000	.00033	<b>45</b> 000.	¥£000'	<b>#£</b> 000.	4£000°		CBL	. 000 32	. 00034	<b>₩</b> £000.	<b>₩£</b> 000°	¥£(00)	4£000°
	H 098. 09				8	00035	00026	00031	00031	00031		Z. C.	00019	00028	00030	00030	00039	0€000		Ž	75000-	00029	00039	00030	00030	000000-		N.	<b>6</b> 2000'-	- 01130	62036	60, 2012	01030	CS (30) -
	ARATING FRO				ć	00433	00259	-,00213	-, 90313	00213		۲	00287	00220	00205	00207	11200'-	00c10		?	62200	00213	00213	₹:200	00213	00213		۲	00212	90297	00211	00213	E1500'-	00213
	IAI3,EXTERNAL TANKITIO)SEPARATING FROM ORB. 09			6.58	C.	01376	02804	-, 01589	01588	01590	8.58	נרא	03402	-, C2994	01555	91590	01589	-,01591	6.58	ì	- 03211	02071	01588	01590	01559	51589	6.58	טרים	90.20	01538	06510 -	- 01598	- 91590	01591
_	I, EXTERNAL T		089.5000 IN. XO .0000 IN. XO 400.0000 IN. ZO	RN/L -	Š	12218	02460	15301	15308	15327	PAY'F	Z	.05880	- 07059	07361	-,15319	15306	15320	1/2K	ē	96495 -	547E	:5285	15316	15238	15297	• 7/Nd	Z	-13154	18491	-,15319	26251	1086	-,15315
IA13 SOURCE DATA	141		6801	0 /88 .	2	300.670	359.860	B10.180	691.606	1292.600	0. 89/ 0	2	90	309.690	596.4.0	800.110	939,850	1300.500	0 '06 '0	,	101 830	399 990	600.880	900.350	999.550	1300,000	0 / 16 . 0	2	295 790	401.099	600.230	719.430	949 ±05	1.509.608.1
1413		REFERENCE DATA	SQ.FT. XPRP INCHES YPRP INCHES ZPRP	PCN NO.	×	023	510.		# G	071.	RGN NO.	×	500	069 903	00.00°	400.560	017.001	400.630	8. <b>3</b>	1	A C C C	900 B10	603.860	830.720	833.67 <b>0</b>	800° 800	ON NO.	×	1200.500	1201 000	1203 600	1223 890	•	06 1581
0415 02 AUS 75	<u>}</u>	PEFE.	SREF = 2690.0000 SO.FT. LREF = 1296.3000 INCHES BREF = 1290.3000 INCHES SCALE = 6100																															

DATE OZ AUG 75	1A13 SOU	IAI3 SOURCE DATA	EXTERNAL 1	AMK (110) SEF	DATA   JAI3,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09	7 088 C9		(RTJ024)	ř.	PAGE 26
REFERENCE DATA	1A							PARAMETP:C	CATA	
SPEF = 2690.0000 SQ.FT. LPEF = 1290.3000 INCHES BPEF = 1290.3000 INCHES SCALE = .0100	de Hi	.009.6000 1N. .0000 1N.	089.6000 IN. XO .0000 IN. YO .400.0000 IN. ZO				MACH ALPHA DALPHA ELEVTR Y	+,530 -5,000 -10,000 200,000	PTOTAL - BETA - CRETA - ALRON -	000.011
	80 80	0 /26	PN/L .	6.58						
*	7		8	S.	Շ	CAN	<b>.</b>	5		
,	.02. 29	299.840	*0×90·	02118	.03377	00121	.01216	66-01.		
	281 39	399.650	01469	02837	.01388	00263	.00723	.09653		
		600.320	+14674	01787	62100	00037	65000.	00000.		
•		800.410	15275	01589	00215	62000	¥5000.	30560.		
		999.940	15298	01592	00219	00030	#E000.	0/550.		
	324 130	300.200	15268	01589	00¢¢¢		* 5000 ·	0000		
	PEN NO.	0 /3	RN/L -	6.58						
*	7		ક	CLN Y	ç	Cyn	CBL	₹,		
4C0.34		300.380	94400'-	02985	<b>U9+1</b> 0.	00271	.0083 <b>6</b>	994€0.		
400.580		403.050	08523	02806	91100	0008 <b>5</b>	, 00564	.08878		
0/15. DU +		599.890	-, 15388	0154B	00217	00030	.00034	.08886		
085.004		800.320	15263	01586	00223	000 <b>30</b>	- 0003 <del>1</del>	93280.		
054.004		989.700	15281	01587	00221	00030	→£000.	89860		
061.001	_	299.800	15267	01587	0021 <b>8</b>	00030	<b>t</b> 1000.	10060		
	چ او	93/0	RN/L.	8.58						
×	-		S	CL <sub>3</sub>	Շ	CYN	<b>8</b>	5		
026.008		303.160	08318	03022	00139	00082	. 00560	.08660		
900.550		397.380	14584	01822	00165	1+000	. 00065	.08401		
800.580	-	599.580	15306	16510	00214	00030	.000°.	.09381		
800.550		074.667	-,15280	01589	00217	00030	+E000.	.09367		
800.600		999.790	-,15306	01591	00220	00030	*0000°	106301		
900,750	-	300.700	15273	01598	00220	00030	±€000°.	.09363		

CA .08638 .09360 .09380 .93780

CBL C0004 C0

CYN -,00034 -,00030 -,00030 -,00030 -,00030

CY -.00183 -.00211 -.00218 -.00214 -.00214

C(H -.01793 -.01569 -.01569 -.01589

CN -, 14749 -, 15446 -, 15446 -, 15300 -, 15291 -, 15296

2 099.050 090.270 001.050 001.050 001.050 0050.0050 0050

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1A13 SOURCE DATA	
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5) (31 JAL 75	DATA	PTOTAL - BETA - DBETA - ALROM -																															
(RTJ025)	PARAMETRIC DATA	4.530 -5.300 -10.000 200.000		5	74401.	. 0852¥	.09365	.09360	.09356		5	99560	. 08912	76780.	. 09369	. 09359	.09356		ď	.08609	.08497	. 09355	14260	. 09362	.09364		5	.08583	.08534	58860.	. 09365	49860.	71860.
		MACH ALPHA - DALPHA - ELEVTR - Y		<b>18</b> 5	₹2200.	95000°	₩ 000.	.00034	.00034		<b>18</b>	.00557	-22×00·	· 00034	,00034	¥£000.	£000°.		96	.00463	0.00070	.00034	₹000.	.00034	<b>.</b> 00034		<b>18</b> 5	. n0074	.00033	41000°	.00034	. 000 34	4£000°
1 088 09				CYN	.00120	00037	. 00029	00029	00029		Č	00204	00070	00030	00030	00030	00029		CYN	1,000	00040	00033	00030	00030	00030		Z S	00037	00031	<b>6</b> 2000'-	03930	62000	900 <b>30</b>
ARATING FROM				ځ.	32025	58500. 00187	00226	002 <del>24</del>	002≥		ò	.01157	.00068	00200	00209	00215	00217		ن	-000B2	00167	00217	00 <b>222</b>	00218	00219		Շ	-,30161	00200	00215	00216	00215	00222
IAI3,EXTERNAL TANK(T!0)SEPARATING FROM ORB. 09			6.59	CLA	01719	-, 02988 -, 01888	01588	01587	01587	6.59	SC.	03513	03139	01547	01588	01585	01586	6.59	ر ا	03247	₹2610`·	01587	01588	01597	01587	6.59	Ę.	01972	01529	0:586	01587	01587	01590
EXTERNAL T		000.000 1N. XO.0000  RN/L	8	91711.	.01705	15273	15258	15263	FN/L -	ટ	.03586	06950	15457	-,15293	-,15274	15269	RN/L	Š	78050 ·	14231	-, 15274	. 15286	15271	15278	PRVL .	ક	14221	15462	15277	15292	- 15279	-,15391	
1413		5801 • • •	0 /96 .	2	300.720	400.210 800 kT0	906 130	999.590	1300.000	0 //6 .	2	299.500	399.800	596.750	800.210	999.790	1300.500	0 /86	7	302.970	400.170	600.810	B00.200	999,420	1300.100	0 /66	7	296.360	401.250	500.300		024 666	1300,700
	REFERENCE DATA	SQ.FT. XHRP INCHES YHRP INCHES ZHRP	RUN NO.	×	076	. 073 E41	2	215.	6+1.	RUN NO.	×	400 E90	400.630	400 +00	400.520	044.004	400.720	PUN PE	×	800.560	900.630	900°300	600,740	900.500	800.8 <b>50</b>	8 8	×	1200.500	1200.900	1200.800	1200.800	1200.800	1201.100
	REFE	JREF = 2690.0000 SQ. LREF = 1290.3000 INC BREF = 1290.3000 INC SCALE = .0100																															

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IAI3,EXTERNAL TANKITIOISEPARATING FROM ORB. 09

000.011 PTOTAL = BLTA = DBETA = A I LRON . HARAMETRIC DATA -10.000 -000 -10.000 .000 .03775 .0<del>0355</del>5 08640 0865 09365 09364 09367 .09373 CA . 09539 .08839 .09349 .09365 CA .08859 .08612 .09361 .09362 .09368 MACH ALPHA - DALPHA - ELEVIR -CBL -. U1:342 -. 003.75 . 00024 . 00034 . 00034 CBL -.00470 -.00112 CBL .00016 .00034 .00034 .00034 CBL -.03105 .03021 .00034 .00034 45000. 45000. CYN .00091 .00080 -.00025 -.00029 CYN. .00.15 - .00029 - .00029 - .00029 CYN - . 00011 - . 00029 - . 00029 - . 00029 CYN -.00026 -.00030 -.00030 -.00030 -.02303 -.00233 -.00216 -.00220 -.01048 -.00339 -.00224 -.00224 CY -.00348 -.00241 -.00219 -.00219 -.00237 -.00219 -.00223 -.00223 -.01423 -.02710 -.01587 -.01588 -.03027 -.02923 -.01554 -.01584 -.01589 -.03216 -.03216 -.02397 -.01587 -.01587 -.01535 -.01535 -.01586 -.01586 -.01585 -.01587 ٦ ک 6.60 6.60 6.50 • 1089.6000 IN. XO • .0000 IN. YO • 400.0000 IN. ZO CN .09965 .02038 -.14076 -.15297 -.15300 -.15300 .04471 -.07157 -.15402 -.15250 - J/W -.0**6385** -.13**629** -.15290 -.15289 -.15269 -.15270 -.15254 -.15255 -.13230 . Z -. 15304 3 Š 2 300.060 399.880 600.420 800.520 999.830 1300.400 RUN NO. 103/ 0 2 304. 750 396. 210 599. 810 799. 300 999. 880 1300. 700 2 300.710 403.910 600.080 800.250 999.420 1300.000 MO. 101/ 0 100/ 0 2 300.250 339.850 401.100 999,490 NO. 102/ 84 × 7 **S** .415 .225 .175 .175 X 400.230 400.550 400.690 400.600 400.420 ş 800,780 800,410 800,640 800,570 800,760 1200.800 1200.700 1201.000 1200.900 REFERENCE DATA 2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES SPEF . LREF . BREF . SCALE .

### IA13 SOURCE DATA

### IA13, EXTERNAL TANKITIO) SEPARATING FROM ORB. 09

### (RTJ027) ( 31 JUL 75

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	REFERENCE DATA	₹					_	PARAMETRIC DATA	DATA	
SAEF LREF BREF SCALE	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES	X HRP Z HRP	 . 1089.6000 IN. XO .0000 IN. YO . 400.0000 IN. 20	z z z	0 40 X	HACH ALPHA • DALPHA • ELEVTR •		-5.000 -5.000 -20.000	4.530 PTOTAL • 11 -5.000 BCTA • -20.000 DBETA • .000 A1LROM •	000 . 011

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5	10091	. 08283	.08549	.09361		5	. 08229	. 09023	. 09380	.09376		Ç	<b>19880</b> .	. 08322	.09378	. 09379		5	. 08213	.09382	.09378	82260.
CB.	00143	. v00 <b>28</b>	<b>₩£</b> 000.	¥£000°.		평	11000	₩000.	+£0~0.	₹2000		평	.00035	££000.	₹000.	₹000.		<b>SP</b>	.00033	₩€000.	₩000.	<b>₹000</b> .
CYN	00015	00021	00029	00029		CYN	00019	00027	00027	00027		CYN	00028	00030	00028	00028		Z S	62000	00027	0002 <b>8</b>	00027
٥	00397	00248	00223	00256		Ç	±0200	00217	00216	00220		ò	00€ <b>22</b>	00217	00223	00223		Ն	00217	00220	00252	00225
כרי	04692	- 04329	01531	01585	6.59	r C	06189	01564	01592	01592	6.39	C.	01677	01522	01592	01592	6.59	r U	01518	01593	01592	01592
N	.30227	60640	15458	15266	FN/L	Š	.03534	15374	15280	15274	RN /-	3	15066	-, 15311	15264	15274	FN/L	ž	15499	- 15275	15263	15269
2	600.970	800.750	939.950	1298.100	0. 105/ 0	2	601.370	797.470	999.300	:300.600	0 106/ 0	2	630.640	901.460	999.640	1299.900	AUN NO. 107/ 0	7	599.740	800.370	999, 260	1300.300
×	-1.133	554.	555.	-1.123	PUN NO.	×	401.620	400.240	400.080	400.710	RGN NO.	×	800.510	901.010	930.410	800.440	P. S. S. S. S. S. S. S. S. S. S. S. S. S.	×	1200,400	1200 800	1200.300	1201.000

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• 138	REFERENCE DATA 2690.0000 SQ.FT.	E	•	1A13,EXTERNAL	1A13,EXTERNAL TANK(TIO)SEPARATING FROM ORB. 09	• NACH	FARAHETRIC DATA	(RTUC.8) (3) JAL.75 )  ARAHETRIC DATA  4.530 PTOTAL • 110.000	110.000
LAEF	LAEF = 1290,3000 INCHES		•	.0000 IN, YO		ALPHA -	-5.000	æ. 1.A •	000
BREF	1290.3000 INCHES	ZMRP	•	400.0000 IN. ZO		DALPHA .	-20.000	• V.360	000
SCALE .	.0100					ELEVIR .	000.	A ILRON .	000.
						• >	200.000		

CN CLM -2172104774 - 0827105581 - 1551701538 - 1551701538 - 15530401600018410481901841048190184101541018410154101541015420154101542015420154201544 -	CN (2172) - (0827) - (0827) - (15517 -

Ē.	. 75 .		000. 5.000 5.000																				
PAGE	11 (31 JUL 75	DATA	PTOTAL = 1 BETA = DBETA = ATLRON =																				
	(RTJ029)	PARAMETRIC DATA	-530 -5.000 -24.000 .000 .000		CA .10%04 .08375 .08537		₹3	.08199	.08983	.09358	.09352		క	04060.	.08303	. 19362	.09363		ð	.08156	.09356	.09353	, , ,
			MACH - ALPHA - DALPHA - ELEVTR - Y		CBL .01269 .00189 .00034		ES C	.00573	¥£000'	. 00033	<b>₩</b> £000.		<b>.</b>	.00035	.00033	.00034	<b>₹000</b> 0.		95	.00033	₹ <b>8000</b> .	₹600°.	
	H ORB. 05				CYN002620005700028		NAC	96000 -	- 00057	00027	00028		Š	00027	00029	00027	<b>8</b> 2000 -		CYN	62000'-	0002B	00028 88000	0 0000
	ARATING FRO				. 01297 -,00074 -,00229 -,00234		,	80200	0021B	00220	00224		ځ	00219	- 00221	0022 <b>9</b>	- 00227		Ç	00228	-,00232	00230	- 0000.
	1A13,EXTERNAL TANKIT101SEPARATING FROM ORB.			6.58	CLM 04605 04393 01538 01595	6.58	ī	- 06034	01558	-,31589	01586	6.53	r.	01584	01517	0:589	01599	6.58	<b>K</b> 70	01511	01588	01588	000000
	EXTERNAL T		0000 IN. XO .0000 IN. XO .0000 IN. YO 400.0000 IN. ZO	RN/L -	CN . 28196 04716 15469	RN/L .	20	0.204.7	15290	15173	15169	RN/L =	ž	15177	15376	- 15175	15181	BN/L -	8	15370	- 15:6:	13137	10:01
IAI3 SOURCE DATA	[14]			. 112/ 0	2 599.830 800.720 999.730 1300.000	. 113/ 6	•	501 560	797.630	999.240	1300.400	. 114/ 0	2	042.009	801.400	999.700	1300.100	. 115/ 0	7	599.840	800.150	939.350	200.200
IA13		CE DATA	J.FT. XHRP ACHES YHRP ACHES ZHRP	RUN NO.	x -1.2.1- .309 .51.	RUN NO.	,	, CO1	400.030	400 000	400.710	85 NO.	×	800.780	601.100	H00.400	800.650	PUN NO.	×	1200,500	1200 700	1200.700	000
87 BJ		REFERENCE	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES																				
DATE DE AUG			SPEF • SCALE • SCALE •																				

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1413,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09

PAGE 3.2

IAI3,EXTERNAL TANKITIOISEPARATIN3 FROM ORB. 09 (RTUSTO) (31 JUL 75	11. XO HACH 1N. YO ALD'SA 1N. ZO DALPHA ELEVTH Y	RN/L = 8 57	CM CLM CY	PAV.L * 6.57	CN CLM CY CYN CBL CA 30695 - 05434 - 00778 00063 - 00542 08239 55894 - 01550 - 00225 - 00028 0.9634 08857 7759 - 01566 - 00025 - 00027 00234 09356 7075 03594	24/. A 6 57	15175 - 101584 - 100222 - 100027 100033 109073 15394 - 101518 - 100214 - 100028 101533 106420 15180 - 101587 - 100216 - 100027 10033 103360 15201 - 101588 - 100020 - 100027 10034 10359	N/L = 6.57	M CLM CY CY CM CBL CA 15401015110022600028 .00033 .08164 .515901586 .0002900027 .00034 .09353
13,EXTERNAL TANK(T)	1089.6000 IN. XO .0000 IN. YO 4CJ.0000 IN. ZO		578 382 422 210		r r : ,	Paris 4 6 57			
IA REFERGACE DATA	SAEF - 2880.0000 SQ.FT. XMBP - 1089. LAEF - 1290.3000 INCHES YMBP - SCALE - 1290.3000 INCHES ZMBP - 4CD.	RUN NO. 119/ 0	2 x 001.0001 205. 069.100 251.1 069.2001 2555.	RUN NO. 1137 0	2007 0081 00% 00% 00% 00% 00% 00% 00% 00% 00% 00	80M NO 1177-0	503-430 030-380 800: 820-410 800:170 998-960 800:170 1301-000	90N NO. 116/ 0	x 2 3-200.700 600.340 1201.103 901.340 3-20.809 1000.100

PAGE 33	(RTJ031) (31 JUL 75 )	PARAMETRIC DATA	- +.530 PTOTAL = 110.005.000 BETA = .00030.000 DBETA = 5.000000 AILRON = .000		CA 4 .09095		CA 2 .08369
			MACH ALP. A BOALPHA BELEVTR		CBL . 00034		CBL .00032
	OH ORB. 09				CYN 00026		CYN 00027
	PARATING FR				CY 00221		CY 00214
	IAI3.EXTERNAL TANKITIOISEPARATING FROM ORB. 09			6.57	CLM 01628	6.57	CLM 01519
•	3.EXTERNAL		1089.6000 1N. XO .0000 1N. YO .000.0000 1N. ZO	FBN/L -	CN 15060	RN/L -	CN 15389
IAI3 SOURCE DATA	3			RUN NO. 120/ 0	Z 1297.400	RUN NO. 1217 0	Z 1300.300
1413		DATA	XHRP S YHRP S ZHRP	2	X -3.671	2 N N	X 400.390
DATE 02 AUG 75		REFERENCE DATA	SREF • 2690.0000 SQ.FT. LREF • 1290.3000 INCHES BREF • 1290.3000 INCHES SCALE •		,		3 <b>.</b>

	000.000.000.000.								
DATA	PTOTAL BETA BETA BORETA BAILRON B								
PARAMETRIC DATA	4.520 10.000 5.000 .000		5	.11788	.10952	0.10340	.10179	.10132	.10291
	MACH ALPHA BOALPHA BELEVTR		<b>8</b> 5	+S000.	.00028	.00013	62000.	.00038	.00038
			CYN	00050	00080	00022	00025	00028	-,00025
			5	00323	00372	00217	00181	00190	00182
		£.80	C.	02034	00836	01761	02213	02008	01936
	1089,6000 IN. XO,0000 IN. YO	FN/L	8	20762	18865	18504	21724	23745	23974
	-	RUN NO. 1247 0	Z	10.180	102.520	203.430	300.630	399.980	600.380
REFERENCE DATA	2690,0000 SQ.FT. XMRP 1290,3000 INCHES YMRP 1290,3000 INCHES ZMRP	RUN NO	×	062.	.263	.327	.320	43B	.307
æ	2690.0 1290.3 1290.3								

SREF ... LREF ... BREF ... SCALE ...

(RTJ032) ' 31 JUL 75

IAI3, EXTERNAL TANK (T10) SEPARATING FROM ORB. 09

CA .09358

CBL. .∩∩∴33

CYN -. 00025

CY -.0022¥

CLM -.01586

CN -.15163

X Z 1200.800 1300.600

CA . 09355

CBL .00033

CYN -.00025

CY -.00223

CLM -.01586

CN -. 15151

x Z 800.330 1300.000

6.56

RN/L

RUN NO. 122/ 0

8.38

38/L =

RUN NO. 123/ 0

e 1

(8100/2) (31 JUL 75 )

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IAI3 SOURCE DATA

DATE 02 AUG 75

PARAHETRIS, DATA	4.520 PTOTAL = 80.000	-10,000 aETA	5.000 09LTA000	.000 AILRON000	
	- MACH	ALPHA .	DALPHA .	ELEVTR .	, ,
	õ	۲٥	02		
	ž	ž	Z.		
	XMRP - 1089.6000 IN. XO	.0000 IN. YO	400.0000 IN. ZO		
	•	•	•		
<u>,</u>	SHX	YMRP	ZHRP		
REFERENCE DATA	SQ.FT.	1290,3000 INCHES	1290.3000 INCHES	.010.	
			• L	• ₩	
	335	LREF	BREF	SCALE	

### RN/L . 4.80 RUN NO. 125/ 0

۲)	.11637	060011	. 10221	60101.	.10150	10201		5	11801.	. 10388	41101.	.10135	.102.	.10289	
je.	5700J.	. 000 32	. 000 39	62,000,	.0003.7	81 ú0ú ¹		703	+. J. 3. +	75 750.	15:33.	78.000.	.00037	82000'	
CYN	00107	01000'-	00026	00025	5.2000	₽5000		C	00020	00030	00023	C0024	₹2000	-, 00024	
Շ	+.00454	00271	0018⁴	00181	00181	03181		ò	-,00250	00208	-,00188	00183	00183	00183	
נר	00195	01320	02167	02214	4~610·−	01937	08.3	£	00333	01898	02465	01970	ຕ 935	٠:01934	€.80
z	16207	÷.16036	19696	22769	23980	23977	RN/L	ક	12698	15568	21128	23865	23983	23969	RN/L .
7	9.769	100.150	200.020	297.560	399.770	600.050	NO. 125/ 0	2	9.930	100.290	200.580	299.990	400.700	600.060	NO. 127/ 0
×	400,490	400.540	400.530	400.550	400.610	400.550	2 22	×	800.660	800.580	800.7.0	600. 3	800.700	800.830	25

₹	0.103+0	.10138	. 10071	77660.	.10288	.10280
CBL	+£000.	.00031	.00033	.00037	72J00.	.00037
C	00047	00022	0005	00024	₹2000	00023
Շ	00293	00200	00185	00186	00186	00188
	02180					
ટ	15784	18404	- 22542	54003	23956	23939
7	10.888	99.230	201.740	301.060	399.900	599.750
×	1200.700	1200.800	1200.600	1201.000	1200.900	1201.300

114

(31 JAL 73

(RTJ033)

# IAI3, EXTERNAL TANK (TIO) SEPARATING FROM ORB. 09

PARAMETRIC DATA	ALPHA - 10 30 RE71 - 600 CO OLD CO OL		Te			•	·	.62033 .10267	·	·	•
	I ∢ O W ≻		CAN	000 <b>32</b>	90026	^1 3021	<b>-</b> .00032	00022	00022	-,00023	-,00022
			Ç	00 1 B4	00213	00204	-,00195	00:91	00193	0019€	00192
		4.79	CLM	. 02032	. 02857	.,02828	01919	.01930	.01931	.0:930	01933
	0.00	÷		Ċ	•	,		•	'	'	
	6000 IN. XO 0000 IN. YO 0000 IN. ZO	RN/L . 4	S	12813	15561	-	23958	23693			23957
	XMERP = 1089.6000 IN. XO YMERP = .0000 IN. YO ZMERP = +00.0000 IN. ZO			11.11512813	•	045021-	•		23913	23508	1000.30023957

# 1413, EXTERNAL TANK (TIDISEPARATING FROM ORB. 09

(87,003%) (31,000,75)

XMPP = 1089.6000 IN. XO  XMPP = 0000 IN. XO  YMPP = 0000 IN. YO  ZMPP = 0000 IN. YO  ZMPP = 0000 IN. YO  RELEY R = 0000 BETA = 0000 BETA = 0000 IN. YO  ELEY R = 0000 DBEYA = 0000 BETA = 0000 BETA = 0000 IN. YO  RELEY R = 0000 DBEYA = 0000 BETA = 0000 BETA = 0000 BETA = 0000 IN. YO  RELEY R = 0000 DBEYA = 0000 BETA =	REFER	REFERENCE DATA	∢								PARAMETRIC DATA	C DATA	
YMPR         L.C. N. V. O.         L.C. N. A         L.C. N. A         L.C. N. A         L.C. N. O.         DBE N. A           ZMSP         4.00.000 IN. ZO         ELEY R        000 DBE N. B        000 DBE N. B        000 DBE N. B        000 DBE N. B           MAIN NO. 135/ O. MAVL         4.79         Y        000 AILRON        000 AILRON        000 AILRON           FAUN NO. 135/ O. MAVL         4.79         CM         CVM         CBL         CA           FILO 10.00         10.547        18472        01699        0328        0058        0218        2336           330 SOO 10	S.FT.		o X	•	1089.600	Z O	0×			HYCH	4.520		80.000
THE			71480	•	000	Z. O	۲0			<b>→ ∀</b> :5:4	-10.000		000.
NO. 135/ 0 HV/L = 4.79  NO. 135/ 0 HV/L = 4.79  2 CM CLM CY CYN CBL CA 10.5471847201695 .03828 .00170 .11441 200.10180280169500583 .00170 .11441 200.10189560229600028 .00226 .10549 296.990231750193600028 .00025 .10073 600.1502333019300019600028 .00037 .10279 759.7402393101320019400022 .00037 .10299	INCHES		ZHGP		400.030	N.	20			DAL TA	000		000
NO. 135/ 0 AN/L • 4.79  2 CN CH CY CYN CBL CN 10.5471847201695 .03328 .00558 .00218 .1  10.5471847201695 .03328 .00558 .00710 .1  200.0101861601242 .00593 .00170 .1  200.0101892601811 .0098900121 .00110 .1  296.990199560222100122 .00226 .1  598.45023375021210018500038 .00225 .1  600.15023333019300019600022 .00037 .1  759.740239613.9320019600022 .00037 .1										<ul><li>■ 8. 4313</li></ul>	.000	A ! LRON .	000
Ab.         1357         Ab./L =         4.79         CM         CY         CYN         CBL           10.547        18472        01693         .03528         .00558         .00218           101.800        1646        01542         .03405         .00583         .00170           200.010        18028        01681         .00589        00121         .00110           296.990        18028        00628        00121         .00126           398.450        23175        02121        00186        00028         .00526           600.150        23333        01930        00196        00028         .00037           759.740        23961        01332        00196        00022         .00037           10000.200        23990        01332        00196        00022         .00037										• >-	<b>200</b> .000		
Z         CM         CLH         CY         CYN         CBL           10.547        18472        01693         .03828         .00538         .00218           101.800        16816        01242         .03406         .00593         .00170           200.010        18028        01681         .00989        00171         .00110           296.99        21956        02296        00052        00038         .00226           398.450        23175        02121        00185        00026         .00526           600.150        23931        01930        00196        00022         .00037           759.740        23961        2.938        00194        00022         .00037           1000.200        23990        01322        00195        00022         .00037		Æ	9 2 3	E		٠ ٦/٨٤	£.79						
10.547        18472        01695         .03588         .00558         .00218           101.800        16516        01642         .03405         .00593         .00170           200.010        18028        01681         .00989        00121         .00110           296.390        18026        00226        00038         .00226           398.450        23175        02121        00166        00026           690.150        23333        01930        00194        00022           759.740        23961        01322        00194        00022           1000.200        23990        01322        00195        00037	^	J		7		8	มี		CYN	CB.	۲۶		
101.800        16616        01242         .03406         .00583         .00170           200.010        18028        01681         .00989        00121         .00110           296.90        19956        02296        00052        00038         .00226           398.450        23175        02121        00185        00026         .00522           659.150        2333        01930        00194        00022         .00037           759.740        23961        7,932        00194        00022         .00037           1000.200        23990        0132        00195        00022         .00037		ņ		10		. 18472			.00558	.00218	. 12236		
200.010    18028    01681     .00989    00121     .00110       296.90    19956    02296    00052    00038     .00226       398.450    23175    02121    00185    00026     .0052       600.150    2333    01930    00196    00022     .00037       759.740    23961    0132    00196    00022     .00037       1000.200    23990    0132    00196    00037		Ħ,		101		. 16616			.00583	07100.	1771		
296.99019956022960005400039 .00226 398.45023175021210018500026 .00522 620.15023933019300019600022 .00037 759.7402396123920019400022 .00037 1000.2002399001320019500022 .00037		M		200.1		. 18028			00121	01100.	.10549		
398.45023175021810018500026 .00552 620.15023933019300019600022 .00037 759.7402396123820019400022 .00037 1000.2002399001320019500022		Ň		396		. 19956		•	00038	.00226	.10150		
620.15023933019300019600022 .00037 759.7402396123820019400022 .00037 1000.2002399001320019500022		m		398.		.23175		•	00026	55000.	. 10073		
759.740 - 23961 - 358.740 - 00037 - 000037 - 000037 - 000037 - 000037 - 000037 - 000037 - 000037 - 000037		m		900		.23933		•	JOC22	75000.	10279		
1000.200239900133200195 000.2001		ř		759.	'	.23961		•	00C2 <b>2</b>	.00037	. 10288		
		ž.	_	300	•	. 23990		•	-,0002 <b>2</b>	75000.	.10293		

SOURCE
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D. TE

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E 37	L 75 J		000 · 000 ·																													
PAGE	4) (31 JUL	DATA	PTOTAL • BETA • DBETA • AILRON •																													
	(RTJ034)	PARAMETRIC	4,520 -10,000 .000 -000		₹	11297	82/01.	10098	0.101.	.10287	10201	.10290		క	. 10866	1.0872	.10115	17101.	. 10131	10291	. 10299	. 10295		5	. 10671	.10157	. 10023	10081	77501.	.10280	1029	.1027B
			MACH ALPHA BOALPHA BELEVTR		정	. 00283	80200 ·	+6000°.	62000.	.00037	.00037	7.0000.		CBL	.00288	.00367	.3018	.00057	75000.	.00037	.00037	.00037		<b>8</b>	60600.	62400.	.00125	.00037	.00037	78000.	000037	.00037
	H ORB. 09				CYN	.00732	00071	00028	₩2000-	00023	00022	00023		CYN	91000	40	00035	00025	00023	00023	00023	+.00023		CYN	00104	64000'-	00033	+.0000.−	0002 <b>2</b>	00022	00022	00022
	ARATING FRO				5	64940.	19210.	100. 100.	00186	00187	00192	00191		ć	. 02462	10600.	00082	00182	00193	₹5100:-	00194	00191		Շ	.00704	56100.	- 30130	00190	£6100'-	00192	00191	00193
	1A13.EXTERNAL TANK(TID)SEPARATING FROM ORB.			4.79	C.	00818	01584	E/2001 -	-,01938	01933	01934	01931	4.79	ברם	01158	02268	0260 <b>8</b>	20.301-	0192C	01932	01934	01932	4.79	CLM	02588	02982	02516	7:610	01931	01931	0:934	01931
	I, EXTERNAL 1		1089.8000 IN. XO .0000 IN. YO 400.0500 IN. ZO	PN/F	8	15401	-,15801	819/1/- 819/1/-	23988	23953	24003	-,23992	RN/L .	ž	-, 13518	- 14439	20047	23442	23947	23975	23332	23985	RN/L	Ž	11607	16597	21954	23939	23932	23938	-, 23979	23939
IAI3 SOURCE DATA	1413		• • •	0. 134/ 0	2	6.977	99.931	203.310	400.320	600.200	799.810	1000.100	0. 133/ 0	7	10.232	100.200	200.230	298.940	460.130	599.470	799.860	1000.300	3. 132/ 0	7	14.395	101.350	199.190	300.280	400.600	600.949	800.050	1000.100
		RENCE DATA	FERENCE DATA  30 SC T. XMRP •  30 INCHES ZMRP •  50 INCHES ZMRP •	RUN NO.	×	400.460	400.550	400.040	400.500	400.610	409.670	400,740	PGN NO.	>=	800,610	900,590	200.790	900.710	800.810	900.800	620.830	800.730	PUN NO.	<b>&gt;</b>	1200.900	1200.300	1200.900	1200.800	1201.000	1200.900	1201.100	1201.200
D. TE 02 AUG 75		0 00	REFEREI 2890 .0000 S 1290 .3000 11 1 290 .3000 11 . 0100																													
DTE 02			SREF UREF SCALE																													

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IA13 SOURCE DATA

80.000 .000 **5**.000 (27,065\*) (31,000,05 ) PTCTAL .
9E A .
0BETA .
ATHRON . RAINETRIL DATA 000 1001 023 000 131 000 5 MACH ALPHA - DALPHA + ELEVIR - Y 1A13,EXTERNAL TANK (T10) SEPARATING FROM ORB. 09 . 1089.6000 IN. XO . 00000 I YO . 400.0000 IN. ZO XMARP YHRP REFERENCE DATA SREF = 2690.0000 50.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100

}	) \Q	PN/L	D .				
v	7	Š	5	გ	<b>X</b>	<b>.</b>	<b></b>
<u></u>	9.483	16295	01102	.02382	.00551	- 1000 -	60851.
245	99.825	14807	₩2600	.02769	.03657	1,500	+8411
.317	203.730	16888	01664	.00851	00103	£ : 000	38501
. 393	302.120	-, 19669	02295	<b>5</b> 6000	00028	27.100	10,09
.323	430.000	22985	02153	00185	00025	(8000)	1.0041
. 326	600.220	23974	01931	00198	00022	78 000	.10288
514	799.860	23947	0192 <b>8</b>	00199	-, 0002 <b>2</b>	. \$ 000.	10277
.453	1900,100	23937	01930	00193	00022	.6003.	.10275
PCN NO.	. :37/ 0	RN/L	18.				

×	2	<b>Z</b>	C.	č	CYN	Ci.i.	۲,
400.360	9 E30	13189	002 <b>20</b>	.03918	1£500.	75% 5.	7.
400.500	100.170	- 14043	01396	101+Br	+00000	98900	-
450.463	200.210	16711	02310	. 00275	00087	<b>1</b> 000	
400.460	296.400	21593	02351	00164	06027	826000	-
044,004	399,370	-,23590	-,01959	-,00195	₩2000'-	€6000.	-
400.510	559.920	- 23354	01930	60208	-,00022	65000	-:
400.620	799.920	23946	01930	.05201	00021	.6.937	-
430.850	1006.400	23960	01929	-,00198	15000	.con37	

13.89		1.500	F. 9. 5.	051
100.170 - 1404301396	*8+10·	*0000°-	.03686	1068 <b>5</b>
16711	. 00275	78000.	<b>1</b> 000	.10432
21592	00164	75000.	82.600	69001
-,23590	00195	.00024	₹6000.	. 101+3
- 23354		52000.	6200	065011
239 <b>46</b>		.00021	.6.937	.10282
23960		15000.	.con37	10285
PIN NO. 138/ 0 PN/L = 4.81				
8		N.	9	3
12097		27000	.00113	0.10940
100.1301281002151	0 £4700.	E+100	.00357	.10785
L 1924		000031	.00152	.10105
23198		£2000	.03n5A	01101.
23995		22000	.00037	.10082
12622		00061	.00037	.10269
- 23992		66652	.00037	.1030;
	00197	0005 <b>5</b>	.00037	19297

(RTJ035) (3) JUL 75	
IAI3,EXTERNAL TANK(TIO)SEPARATING FROM ORS. 09	

DATE 02 AUG 75

	REFERENCE DATA	<b>T</b>						<b>L</b>	PARAMETRIC DATA	DATA	
S-JF BREF = SCALE =	2690,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES	98417 48417	• • •	1089,6000 IN. XO .0000 IN. YO 450.0000 IN. ZO				MACH ALPHA BOALPHA BELE TR	4.520 -10.000 000 200.000	PTOTAL - BEYA - DSETA - ALRON -	900.000 .000.2 .0000.3
		PCN .60	RUN .40. 1397 0	· ·	18.4						
	7 1200 903 1201.100 1201.000 1201.000 1201.000 1201.100 1201.100	000 000 000 000 000 000 000 000	7 10.995 97.096 198.150 201.273 9400.220 650.000 799.490	CN - 11348 - 15607 - 21264 - 23967 - 23912 - 23972 - 23472	- 02442 - 02442 - 02533 - 01917 - 01930 - 01931 - 01933		-,00083 -,00033 -,00034 -,00024 -,00021 -,00021 -,00021	CBL .00741 .0036 .00131 .00037 .00037 .00037	CA 10647 10158 10010 10112 10273 10285 10291		
			IV	7,EXTERNAL	1ANK(110)5E	IAI",EXTERNAL TANKITIO)SEPARATING FROM ORB. 09	70H OPB. 09		(RTJ036)	K) (31 JUL 75	الا د
	REFERENCE DATA	ATA							PARAMETRIC DATA	DATA	
SPFF . LREF . BPEF .	2690,0000 50.FT. 1290,3000 INCHES 1790,3000 INCH 5	APPP YHRP ZHRP	• • •	1089.6000 IN. XO .0000 IN. YO 400.0000 IN. ZO				MACH ALPHA - DALPHA - ELEVTR -	000	PTOTAL BETA BETA BEETA BEETA BELRON BETAN	90, 230 000, 5, 000

. 12212 . 11289 . 10774 . 10159 . 10259 . 10288

.00206 .00237 .00033 .00002 .00033 .00037

CYN
-.00268
-.00236
-.00027
-.00021
-.00020
-.00020

-,02395 -,01501 -,00532 -,00530 -,00207 -,00200 -,00200

-.01574 -.01574 -.01364 -.02193 -.02193 -.01939

CN - 1869 - 15107 - 19611 - 23951 - 23958 - 23958

2 11.180 105.10 197.24 300.150 397.860 500.020 799.950

2337 263 356 356 356 341 241 444 471

OF YOUR QUALITY

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( 31 AL /3 )

(8), (9), (3),

# 1A13, EXTERNAL TANK (T10) SEPARATING FROM 098. 09

	80.00 0.00 0.00 0.00 0.00																												
DATA	PTOTAL • BETA • ObertA •																												
F' SAMETRIC DATA	000° 000° 000° 000°		CA	.10vac	36591.	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	. 10245	37.50:	.10280		<b>5</b>	10900	10594	.10156	. 10096	64001	13275	.16279	. 10289		రే	56 40 1	.10198	. 09987	. 10123	. 10268	:1027;	. 10289	. 10267
	MACH ALPHA DALPHA FLEVTR		. 90°	#5000"-	-,000,13	6: 000.	1. FC00	.00337	.00:37		CBL		25.+	<b>2</b> 00.00	66,020	13	£8.37	280	78002.		.ee.	00145	6+000	.00003	78000.	.00037	.00037	.00037	<b>7£</b> 000.
			CYN NO.	00057	15000	-, 0003.2 -, 0003.2	00620	00021	0.200.+		C	93300	00008	00015	e:600:-	00022	1,0000	00021	00021		χ	00034	00033	3001.3	00022	00021	0002 <b>2</b>	00022	+.000 <b>2</b> 1
			רטאפט -	00800'-	003:2	002613	00201	00199	1020314		ځ	.00€90	74400	15200	00236	- 00195	85:00'-	00201	+,00≥00		5	00487	00382	00235	00197	00200	00200	00:58	65150'-
		4.81	CLM	00851	02053	- 02005	01929	01928	-,01929	18.4	a E	.00463	16410	62582	02253	01912	01929	01928	01932	18.4	CL*	02101	02810	-, 02809	+:610	01927	01929	0193C	0:927
	08000 IN. XO.0000.004	RN/L	C.Y.	12961	+3491	21086	23350	23930	1,633	RN/L	z	961651-	-,11556	18034	22771	-, 2359 <b>5</b>	23920	23942	23967	RN/L	Z	- 12668	15310	-,20470	23958	-, 23921	-, 23918	23957	63908
		145/	2 2	100.000	200.120	361.270	600.220	799.730	1090.200	RUN NO. 1417 0	2	9.302	99.838	200.150	298.020	400.230	599.310	342,665	1000.500	PUN NO. 143/ 0	7	10.778	100.840	199.100	300.170	400.380	600.930	600,009	1000,200
REFERENCE DATA	2690.0000 SG.FT. XLAP 1290.3000 INCHES YMAP 1290.3000 INCHES ZHAP	RUN NO.	× 6	430.450	084.004	450.510	490-619	403.650	400.580	A N.	×	800°5°1	9+S 558	800.700	900.680	900.660	90u - 130	55, 790	9361,008	<b>X X 3 6</b>	×	1200 700	1200.800	1800 900	005 002:	1201.000	1200.900	1201.030	1201.000
	SREF - 2690 LREF - 1290 BREF - 1290 SCALE -																												

¥.€	AUG 75		1A13 S	IAI3 SOURCE DATA							PAGF	; ;
				1413	.EXTERNAL	TANK (T10) SE	1A13,EXTERNAL TANK(T10)SEPARATING FROM ORB.	OH ORB: 09		(RTJ037)	17) (31 JA	J. 25 1
	REFERENCE DATA	CE DAT	∢							PARAMETRIC DATA	: DATA	
% <u>~</u> ~	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES	SOLFT. INCHES INCHES	X 1486	1089	089.8000 IN. XO .000.0000 IN. ZO +				MACH ALPHA BALPHA BELEVTR	100.000 000.000 000.000	PTOTAL BEIA BOBETA BAILRON	000.000 000. 000.
		Œ	RCN NO.	1447 0	RN/L	4.82						
		×		2	₹.	Ę,	ć	CYN	<del>ළ්</del>	ర		
		, N	.201	199.860	06784	01115	-, 00389	00055	.00015	.11286		
		ί	+92∵	300.070	- 12798	02466	-,00243	-,00015	51000°	10310		
		m. i	.331	401.290	20206	02511	60260	61000	66000	50101.		
		M, F	381	200 010	63915 64056 -	0.1920	#0200 I	- 00021	00037	10283		
			376	939.65/	-,23891	-,01925	-, 00201	00020	.00037	.10263		
		1.613	_	300.600	1-83851	01929	00199	00920	.00037	.10276		
		à.	85 NO.	0 /5+1	RN/L	4.82						
		×		7	8	<del>د</del>	ბ	C	<b>8</b>	5		
		400,450	50	196.750	08418	02095	00273	00010	.00014	.10660		
		400.540	<b>0</b>	300.220	17214	02762	00295	000020	5003	.10150		
		400.550	50	397.530	22465	02311	00201	61000	.63037	.10087		
		400.550	90	599.800	- 23887	01927	00193	00020	.00037	510272		
		400.430		048,895	-,23921	0:929	<b>-</b> .001 <b>96</b>	00020	.00037	.10279		
		400.710		1000.500	-,23946	18810	76100 80100	00020	75000.	10289		
		0.00		000.0001	J 1600.	0000	00.					
		x	9 3	KUN NO. 146/ 0	RN/L .	£.82						
		×		2	8	<u>.</u>	ដ	CYN	CBL	3		
		800.550	50	200.370	12933	02676	00227	00026	₹000	.10268		
		800.620	50	299,950	66402	02739	00203	61000	75000.	.10053		
		800.800 900.900	000	400.300	- 23953	- 01925	00193	- 00019	75000.	10101.		
		803.3	790	799.910	0.233	. 0:932	96100	00020	75000.	10299		
			 	999, 950	23913	01928	-,00155	00020	.00036	.10276		
		800.800		000 0021	-,23952	01932	00199	E1000	78000.	.10295		
		æ	9 ₹	RUN NO. 1477 0	RN/L .	£.82						
		×		2	Š	נרא	۲	ž	Ę	5		
		1201.000	00	200.400	+5771	03172	00213	<b>71000.</b> -	. 00032	10006		
		1201,109	60	301 330	23001	02246	00198	61600 -	.000 <b>36</b>	54001°		
		8 5021	830	¥91.150	23363	10510	-,00197		.00037	71660.		
		1200.9	0 0 0 0 0	630.350	-,23894	01928	96100	01000	75000.	.10273		
		1207.9		799,650	- 25047	- 01930	2000	<b>6</b> 1000 -	75000.	06201		
				1700.300	- 63.45¢	62510'-	. 00501		(\$000°	10277		
		> · · · · ·		) ) )		J 10 : 10 :	•	00000	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			

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ORIGINAL PAGE IS OF POOR QUALITY.

10.18

# IA13, EXTERNAL TANK (T10) SEPARATING FROM ORB. 09

000.08 000. 000. (RTU038) 1 31 JUL 75 3 PTOTAL BLTA COSTA ALLRON -PARAMETRIC DATA 4, 553 000,01+ 000,000 000,000 MACH -ALPHA -CALPHA -ELEVIR -Y • 1089.6000 IN. XO • 0000 IN. YO • +00.0000 IN. ZO XHRP YHRP REFERENCE DATA 

J	2	8	<b></b>	Շ	S.S.	ĕ	Ų.
. 123	300.630	.07611	02252	00363	00020	.000°	W
5	400.080	07110	03669	-, 00241	00017	12000.	1024
. 357	600.140	23680	02033	00199	00019	.00038	10099
.330	016.961	23912	01927	00202	35019	.00037	.10275
554.	939.620	23953	01930	00201	-,00019	.00037	10290
-212.	1299.900	~.€395¥	01929	00201	00019	75000.	19501.
ž	NO. 149/ 0	RN/L	4.82				
_	2	8	5	Շ	CÁN	Æ	3
.560	299.800	04240	03964	00238	00017	£0076.	. 10105
400.600	400.050	16738	03450	00203	+.00017	.E000	25C 70
370	598.650	- 2404B	01893	00202	000 1B	75000	.09763
. 540	799.540	23927	01929	00194	61000	75650	10201
.690	1000.500	23934	01929	00197	91r JO' -	.00037	1029
00.710	1300.600	23915	-,01928	-, 00198	P1000	62000	00001

2 CN 302.15014958 399.71022312 500.75023895 800.24023895 999.82023911 1299.80023878	PUN NO.	NO. 150/ 0	PR/L •	4.82				
302.16014958035360021700016 399.71022312024500020100018 600.76023895019270019900018 800.24023933019280020200019 999.82023911019290020200019 1299.80023918019250020400018	×	2	ž	S.	ò	Š	5	5
99.71022312024500020100018 00.76023933019220019900018 00.24023933019290020200019 99.82023911019290020200019 99.80023878019250020400018	024.00	302.160	14958	03536	00217	-,00016	EE050.	0000
600.76023895019270019900018 800.24023933019280020200019 999.82023911019290020200018 1299.80023878019250020400018	00.540	399.710	22312	02450	00201	00018	₹000°	37.890
800.240239330:9280020200019 999.82023911019290020200018 1299.80023878019250020400018 NO. 1517 0 RN/L • 4.82	087.00	600.760	23895	0192	. 00199	00018	75000.	1027
999.82023911019290020200018 1299.80023878019250020400018 NO. 1517 0 RN/L • 4.82	018.00	800.240	23933	0:928	00202	61000	75000	. פעקי
1299.80023878019250020400018 NO. 1517 0 RN/L = 4.82	694 (	989.850	23911	01929	00202	00018	75000	9000
1517 9 RN/L . 4.	00° -80	1299.800	23878	01925	+0200.−	91000'-	.00037	. 10272
	3	40. 1517 9	RN/L	4.82				
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2	F7800	11001	09201	00001	#C0001.	100.	0 10 -
5	€£ 000°	35,000	35,000.	25000:	1000 ·	75000.	)
Z .	<b>6</b> 1050'-	8:103:-	E1500'-	6:000	6:000	61000	
-	00209	00203	00204	00205	-,0000	00205	
נו	02812	01907	01920	01922	01924	19510	
	20896	23852	23840	-,23879	23888	23855	
	300.5+0	400.270	601.590	800.360	1000.300	1300 100	
•	1200.900	1200.800	1201.000	1200.800	1200,900	1201 000	

IA13 SOURCE DATA	. 25		000.000 .000.																												
	IAI3, EXTERNAL TANK (T10) SEPARATING FROM ORB. 09	PARAMETRIC DATA	PTOTAL • BETA • OBETA • ALROM •																												
			4,520 -10,000 -10,000 -000 -200,000		CA 11737	.10103	.10279	.10284		۲	10301	.09883	+5860.	. 102/b	7/201.	100.		5	10660	<b>6</b> 500:	1000	10286	10278		5	₹660.	71660.	.10275	. 1028 <b>2</b>	. 10280	. 10682
			MACH ALPHA DALPHA DALPHA TELEVIR		CBL .01677	00038	.00037	.00036		<b>18</b> 0	101084	11500.	.00036	.00037	75000.	15000.		<b>a</b> 5	. 00313	+9000	00037	00037	75000.		<b>6</b> 5	60100	7800r.	.00037	.00037	75000.	.00037
					CYN 00478	00135	00019	00019		CYN	00190	0004-	. , 00020	81000	-,00018	00019		CYN	00052	00019	00018	61000	00019		C	-, 0002 <b>5</b>	00020	61000	61000 -	6:000	6100077-
				155/ 0 GN/L = 4.83	CY .03652	.00502	00206	00207		ځ	.00867	60060	±0000	00211	00210	00216		Շ	.00022	02192	00202	00e00	<b>60</b> 200		Շ	00160	00207	03607	-,00209	+.00500	00208
					CLM - 03063	-,03940	01925	-,01926 -,01928	4.83	ž	03822	03047	01898	01923	01923	0192 <b>5</b>	4.83	S.	03266	02106	01922	01988	01925	£.83	¥3	02421	01897	01923	01923	72610'-	01925
			0000 IN. XO.0000 IN. YO.0000 IN. ZO		사 95819:	08985	23889	23896	RN/L	Z	-,07929	19199	23953	23881	23869	-,23676	RN/L	3	57777	- 23358	- 33863	23877	23890	RN/L .	3	-, 22269	6,682 -	23982	23306	23890	23893
	[14]		003		300.350	400.130	799.97		0. 154/ 0		100 GOD	400.830		799.900	999.800	1300.400	0. 153, 0	^	303.240	399,710	599 890	799.600	1300.400	NO. 1527 0	^	268.810	199.460	600.810	800.39A	1000.200	1300.300
		PEFFERNCE DATA	5	RUN NO.	x X	ትትት ·	£0≄. 8ΣΣ.	.350	RUN NO.	,	00 170 170	065 004		400.630	409.550	400.580	RUN NO.	>	800.850	800.590	800.650		800.850	S. S.	>	1200 500	900 0021	1201.000	1200.900	1200.900	1201.200
0ATE 02 AUG 75		8	SREF = 2690.0000 LREF = 1290.3000 BREF = 1290.3000 SCALE = .0100																												

OF POOR QUALITY

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(PTJ6+8) (31 JUL 75 )

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8
P.P.OH
31.15
EPARA
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TANK
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	000°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°																														
DATA	Protel • BETA • DBETA • ALLPON •																														
PARAMETRIC DATA	4.550 -10.003 -10.500 -000 -200.000		۲5	P5001	+S001.	.10279	. 10257		₹	.10195	£+860°	.09700	.10265	77501.	. 10258		₹	90560	. 09987	1027	.10273	. 19275	. 10277		3	. 09688	21660	. 10268	. 10266	.10259	. 10265
	MACH ALPHA - DALP-14 - ELEVTR - Y		ष्ट्	.0080. 00430	V+000.	7£060.	75000		ب <u>ع</u> ت	Othorn.	30100.	0	6.0.0.	.00036	. 20036		CPL	.00262	50000	.00036	.00036	.00036	.00036		9	.00115	.00037	. 30036	.00036	.00036	.00036
			CYN	-,00179	61000 -	61000	61000'-		CYN	00103	00038	00023	00020	00023	00019		C, N	00047	00021	61J00'-	00019	00019	00019		CYN	00026	1.0000	-,30519	F.00018	~.00018	- 00318
			Շ	.02086	00204	00206	00210		Շ	.00530	00077	00187	00194	00194	-, 00199		Ç	90010	00184	00205	00203	00203	00199		Շ	-,00143	B6100'-	00202	00202	+0500	00204
		4.82	CLA	02537	02013	92610	01923	4.85	C.	04231	03441	01885	01925	91926	01924	₹.82	נרי	03517	02296	₹6:0:-	01924	01924	₹2610°-	4.82	טרא	02570	01889	01926	01921	01920	12610
	089.6000 IN. YO. 0000.0000 IN. YO	RN/L -	ક	.06923	23615	- 23889	23829	RN/L	Š	03979	17127	23965	23852	23882	23834	RN/L .	z	16047	- 22785	23894	23881	23893	23894	RN/L	3	21810	23964	23918	23858	23948	- 23869
•		RUN NO. 1567 0	2	300.480	080 009	949.500	1300.000	0 /251 0	2	299.830	400.060	599.110	729,550	1000,400	1300.630	0 158/ 0	2	301.390	399.800	600.0/0	e00.280	933.390	1299.800	0 /651	2	300.450	400° 300	521.310	799.920	1000.200	1 300 . 300
REFERENCE DATA	SQ.FT. XHRP INCHES YHRP INCHES ZHRP	25. X	×	· 10.	%; %;	380	762	RUN NO.	×	400.570	400.650	400,480	400.480	400.650	400.600	2	×	800.420	900,450	B00.8+0	600.850	800.760	800.8:0	PCN NO.	×	1201.000	1200.800	1201.200	1200.900	1201 000	1201.000
REFERE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES																														
	SREF LREF BREF SCALE																														

			Ĭ <b>∀</b> I	3.EXTERNAL	12NK(T10)SE	IAI3,EXTERNAL DANKITIODSEPARATING FROM ORB. 09	ROH ORB. 09		(RTJ041)		(31 JUL 75 )
	REFERENCE (	CE DATA							PARAMETRIC DATA	C DATA	
SCALE -	2690,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES	XMRP S YMRP S ZMRP	6801	6000 IN. XO 0000 IN. YO 0000 IN. ZO				MACH ALPHA DALPHA FLEVTR	10000 -100000 -100000 -100000	PTOTAL • BETA • 09ETA • ALRON •	000.08 000.2 000.3
		PCN NO.	0. 163/ 0	RN/L .	£.81						
	^	×	7	Š	r.	Շ	CYN	GB.	5		
		. 129	300.360	96650	02411	02500	.00179	+3810	11793		
		.375	399.970	07206	03741	00745	04600		.10210		
		684	600.330	- 23619	0201 <b>2</b>	00210	00018	620C0	10074		
		.298	800.070	23869	01921	- 00500	00018	. 20037	. 1026 <b>8</b>		
		503.	1300.330	23859 23859	01920	00208 00208	00018	32,000 36,000.	.10254		
		2	RUN NO. 1627 0	AN/L	9. 10.						
	×		7	Š	₩)	ሪ	N N	CBC	ð		
	20,	400.290	300.680	17.05144	03613	15000-	00038	~ . c0525	. 10147		
	9	940 رام	401.64	16927	03379	++E00 ·-	50000.	- 0008 <b>5</b>	. 09662		
	20*	049 904	600.910	23989	01888	0021 <b>2</b>	81000	78000.	.09908		
	30,	40( 1430	199.900	-,23876	01920	-,00212	00018	75000.	.10269		
	20*	9460.394	939,740	23854	01921	00211	00018	.03336	. 10265		
	00. <b>≠</b>	400.790	1300.500	23656	01920	00209	00018	.00037	. 10261		
		PS NO.	1. 1517 0	RN/L	<b>€</b> .81						
	×		7	S	CLT	ζ	Z.	æ	5		
	800	600.423	300.340	60241	03510	00337	0000	60087	. 09957		
	800	800.380	398.420	22208	02460	0022€	00016	. 00013	15660		
	ນອ	800, 790	600 680	- 239¢B	01923	00203	0001 <b>8</b>	. 0′ : 36	.10283		
	800	800.4.0	199.700	£.23915	01921	00206	B 1 000 '-	.00036	51501.		
	BCC	B00.B74	1000.100	23857	6:610	05003	000:B	.0006	. 10260		
	90.8	800.930	1300.500	23955	01920	06207	B1000	.00035	.10255		
		9. N.	RUN NO. 1607 0	RN/L.	- <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del>						
	*		7	3	<b>1</b> 70	Շ	Z,	S	٧		
	1203	203.800	300.550	616021-	¥5850.≖	00238	E1000'-	.00000	03860		
	1200	200.600	398.940	23916	015:0	0020H	C0018	.00035	<b>₹9</b> 001.		
	1503	201.000	300.550	-, 23893	0192 <b>2</b>	00207	0001 <b>9</b>	. 00036	77501.		
	1200.	. 800	330.270	63834	01916	- v720	00019	.00036	.10253		
	1021	000	1000.400	23833	\$ 610 ·	70500.	09918	.00036	10254		
	100		201 105	23950	- 01351	_0000	81000	.00037	<b>₹</b> 820		

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(RTJ012) (31 JUL 75 )

# 1A13, EXTERNAL TANK (110) SEPARATING FROM ORB. 09

ARREST TOTAL	,

¥ L	PTOTAL = 80.000  BETA000  09ETA000  ALLRON000								
ARAMETRIC DATA	16.000 BE -20.000 BE -20.000 OB .000 AI		CA .09594 .10023		CA .09744 .0969 <b>3</b> .10263		CA . 09449 . 10280 . 10252		CA . 10267 . 10274 . 10257
	MACH ALPHA DALPHA BELEVIR		CBL . 00:003 . 00:136		CBL .2303 <b>5</b> .203 <b>5</b> .20036		CGL .00037 .00036		CBL .00036 .00036
			00015 00016 00017		CYN 00017 00019 00018		CYN 00018 00018 00019		CYN 00018 :.00018 00018
			CY -,00252 -,00214 -,00213		CY 00212 00204 00211		CY 00210 00210		CY 00207 00210 00208
	<b>0</b> 0 0	£.81	CLM 04847 01908 01921	. <del>1</del>	CLM 02003 01394 01921	18.4	CLM 01896 01925	18.4	CLM 01923 01923 01921
	1089.6000 IN. XO. 0000 IN. XO. 400.0000 IN. Z	RN/L	CN 1028 23923 23836	RN/L	CN 23661 :.23944 23843	RN/L	CN 23916 23891 23808	RN/L -	CN 23843 23853 23827
	ХНЯР • 1089. ХНЯР • 400.	RUN NO. 1847 0	2 802.350 999.520 1299.000	RUN NO. 165/ 0	2 798.490 999.620 1300.800	RUN NO. 156/ 0	2 800.400 1000.700 1299.900	RUN NO. 1677 0	2 800.070 1000.600 1299.500
REFERENCE DATA	SQ.FT.	\$	× .164 .164	NO.	400.690 400.180 400.723	P.S.	# 800.510	RCN	X 1200.500 1200.800 1200.800
REF	SREF = 6590,0000 LREF = 1290,3000 BREF = 1290,3000 SCALE = .0100								

DATE 02 AUG 75	IAI3 SOURCE DATA	ICE DATA							ď	PAGE 47
		[A13,	EXTERNAL	FANK (T10) SEF	1A13,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09	OH ORB. 09		(RTJ043)	3) (31 ML	UL 75 )
REFERENCE DATA	LTA .							PARAMETRIC DATA	DATA	
SAEF - 2690.0000 SO.FT. LREF - 1290.3000 INCHES BAEF - 1290.3000 INCHES SCALE0100	XMRP ZMRP	30.00+	089.6000 IN. YO .0000 0000 IN. YO				MACH ALPHA DALPHA ELEVTR	4.520 -10.000 -20.000 .000	PTOTAL BETA BOBETA BALRON B	000 · 000 ·
	RUN NO.	171/ 9	RN/L .	4.62						
×	Z 108 +120. 369 +115.	z 801,570 998,590 300,600	CN -,13653 -,23919 -,23808	CLM -,04087 -,01903 -,01918	.00298 00201 00205	CYN 00064 00021	CBL .00483 .00036	CA . 09595 . 09953 . 10252		
	RUN NO. 1	179/ 0	RN/L .	4.82						
X 400.490 400.270	_	2 300,790 999,700 1300,400	CN 23885 23877 23817	CLM 01904 01912 01920	CY -,00198 -,00206 -,00209	CYN 00020 00018	CBL .00038 .00036	CA .09871 .10112		
	RUN MC.	0 /691	RN/L	4.82						
X 0++.008 0+5.008	•••	2 800.190 939.990 1300.100	CN 23907 23868 23822	CLM 01885 01924 01921	CY 00139 00209 00211	CYN 00019 00018	CBL .00036 .00036	CA .09771 .10277		
	PUN NO.	168/ 0	RN/L -	¥.82						
x 1600.700 1201.000		2 800.520 1000.700 1300.300	CN -,23849 -,23826 -,23852	CLM 01923 01919	CY 00208 00209	CYN 1.00018 1.00018	CBL .00036 .00036	CA .10268 .10257		

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REFFRENCE DATA		3.EXTERNAL	TANK (TID) SI	1413,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09	10H 0RB. 09		(RTJ044)	(87.0044) (31.04.75	75 - 27 X
SAEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BAREF = 1290.3000 INCHES SCALE =		089.6000 IN. XO .0000 IN. ZO 400.0000 IN. ZO	0 X Q Q X			MACH ALPHA DALPHA •	4.520 -10.000 -20.000 -200.000	Protal - BETA - CHERA -	80.09 000. 5.000.
đć	RUN NO. 172/ 0	RN/L -	18.4						
¥60 ¥50	2 94 803.063 24 999.380 58 1300.300	CN 09946 23884	CLM -,04 <b>671</b> -,0 903 -,0,321	CY .00045 00211 00207	-,00021 -,00019 -,00017	CBL .00297 .00036 .0036	. 102593		
£	RUN NO. 173/ 0	RN/L	4.8]						
# 400 . 710 400 . 250 400 . 750	2 10 798.000 50 999.910 50 1300.800	CN -,23590 -,23896 -,23845	CLM 02018 01888 01921	CY 00195 00208 00214	00021 00019 00018	<b>56.03.</b> • 603.36 • 603.36	CA . 09683 . 09866 . 10267		
æ	RUN NO. 174/ 0	RN/L -	£.8						
X 600.610 900.730 900.420	2 0 800.530 0 1000.50 0 1299.70	CN 23913 23952 23910	01898 01920 01917	CY 00213 00215	CYN 00018 00017	CBL .00037 .00036	CA .09478 .10268 .10252		
\$	RUN NO. 175/ 0	RV.L	18.3						

CA .10260 .10269

CBL .00036 .00036

CYN -.00018 -.00017

CY -.00215 -.002.4

CLH -.01918 -.01920 -.01919

CN -.23822 -.23855 -.23838

2 800.060 1000.700 1300.000

X 1200.400 1200.900 1200.800

DATE OF AUG 75

IAI3 SOURCE DATA

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PAGE

80.000 .000 \$.000

DBETA -PTOTAL BETA

## 1A13, EXTERNAL TANK, TIO) SEPARATING FROM ORB. 09

(RTJ045) (31 JUL

PARAMETRIC DATA 4.520 -16.000 -20.000 .000 DALPHA -ELEVTR -Y ALPHA • 1089.6000 IN. XO • .0000 IN. YO • +00.0000 IN. ZO XHRP YHRP REFERENCE DATA 2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES SREF . LREF . BREF . SCALE .

-.00**359** .000**36** .00026 CYN -,00719 CLM -.04424 -.01904 -.01919 69 CN -.11470 -.2392**5** - 7×E -.23869 RUN NO. 179/ 0 2 802.260 997.890 1300.800 . 110 .356

.10028

.09577

CBL .00017 .00036 .00036 CYN -.00015 -.00018 -.00017 -.00229 -.01982 CL <del>1</del>8. CN -.23687 -.23871 . K RUN NO. 178/ 0 2 803.750 999.610 400.560 400.160 400.610

-.00214 -.01923 -.23887 1300.400

.10023

CA .09791

CA .09611 .10256

CBL .00036 .00036

CYN -.00018 -.00017 -.00017

-.00218 CLM -.01883 -.01917 €.8 CN -.23961 -.23620 RN/L RUN NO. 177/ 0 2 800.260 1000.100 900.230 900.620 800.790

£.81 \* 7 \* 1 RUN NO. 176/ 0

-.01919

-.23871

12:0.3.0

CBL .00036 .00036 -.00017 -.00018 -.00213 -.01**919** -.01918 -.01920 S. -.23820 -.23838 -.23866 2 800.090 1000.700 1300.300 1200.800 1200.900 1200.900

.10257 .10262 .10273

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for the

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12540

-.00014

-.00227 -.00227 -.00228

-.01317 -.01321

-. 48980

-.00014

1 22 1		000.000.000.																				
(RTJC47) (31 JUL 75	DATA	PTOTAL - BETA - DBETA - ALLRON -																				
30 LEG	PARAMETRIC DATA	4.520 -21.000 6.000 .000		ð	. 12786	.12562	. 12361	15451.	. 12551	. 12550	. 12547	. 12544		₹	. 12567	. 12428	. 12212	. 12439	. 12549	.12538	.12540	12349
		MACH ALPHA DALPHA ELEVIR Y		96	£1000.	SC000.	.00056	8+000	7+000	C+000.	74000.	.00047		CB.	19000	.00065	C+000.	9+000.	7+000.	C+000.	C+000	.00047
1 088. 09				N.C	-,00015	00014	₹1000	0001≥	00013	£1000'-	00013	00013		N.C.	00017	00013	5.000.	00013	00013	00013	+1000	00013
ARATING FRO				ដ	00133	00207	00228	00229	00230	00229	0022B	63228		5	06216	002≥	00232	03229	00230	- 20230	00228	- 00233
1A13,EXTERNAL TANKITIO1SEPARATING FROM ORB. 08			4.82	£	₹6100.	01126	01720	01323	01318	01322	01317	01317	4.82	Ę	01347	01842	01753	01354	01324	01324	01323	01525
EXTERNAL T		1089.5000 IN, XO .7000 IN, YO 400.0000 IN, ZO	RN/L .	Š	39136	41862	46156	11064	49050	49022	49036	02064	RN/L .	ક	- 13927	44315	47215	48822	48988	48951	48975	90064
FALS		680	. 183/ 0	2	10.512	102.470	200.420	299.800	400.470	600.310	800.430	1000.000	0 / 181	2	114.11	100.140	200.002	299.910	403.240	601.110	900.500	1000.200
	REFERENCE DATA	A.FT. XHRP NOHES YHRP NOHES ZHRP	PUN NO.	×	800.710	801.040	800.8¥0	800.900	800.760	800.820	900.800	800.950	8. 8	×	1200.800	1200.900	1200.900	1201.000	1200.600	1201.000	1201.100	1201.100
	REFERE	2650.0000 SO.FT. 1290.3000 INCHES 1290.3000 INCHES																				
		SREF = LREF = BREF = SCALE =																				

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		[14]	S, EXTERNAL	TANK (T10) SE	IAI3,EXTERNAL TANKITIO)SEPARATING FROM ORB. 09	он ожв. оэ		(RTJ048)	48) (31 JUL 75	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
REFERENCE DATA	₹							PAKATILIMI	<b>Y</b>	
2690,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES .0100	XMRP YMRP ZMRP	0000.000	089.6000 IN. YO				MACH ALPHA DOALPHA PELEVTR	4.520 1.000 1.000 0.000 0.000	PTUTAL BETA BETA ALRON ALLRON	000°
•	75 XO.	0 /891	RN/L	. <del>.</del>						
×		7	Š	<b>1</b>	5	CYN	ಕ	5		
:	3.78	7.750	- 34385	.00379	00B54	00169	.00.39	15004		
	m ±	95.484	37154	00407	00282	00911	05000'	.12676		
.,	.288	199.810	-,43795	01735	00243	60000'-	69500	. 12328		
•	71.5	297.590	-,47990	01532	00249	09010	.00051	36.551.		
	586	399.660	-,48888	01334	00246	00011	8+000°.	.12520		
٠.	83	599.880	50064	01321	00247	00011	0.0046	. 12549		
. •	503	900.690	12064	01322	00246	00011	C., Jud.	. 187 32		
-:		004.0001	49103	01321	00245	00011	æ. 000 .	.12568		
*		,	3	E C	ວ້	Š	ð	ర		
נים נינים	9		- 33130	.01475	00772	000080	€6300.	.13816		
400 490	06+	100.750	-,38565	00581	00199	0001	.00063	12579		
400.520	520	201.890	82044	01783	00236	60000	75000	.12333		
400,520	25	300.090	48143	01535	00239	00010	6+000	12247		
400.530	530	400.330	48946	01331	00245	00011	84000.	.12534		
400.600	900	600.410	49051	01320	00242	00011	74000.	12556		
400,650	550	900.00	62064	01321	00238	00011	C4000.	. 12551		
¥00.720		000.400	49010	₹2610	00238	00012	C 4000 .	. 12552		
•	PEN NO.	186/ 0	RN/L -	£.81						
×		2	8	C.	Շ	CYN	CBL	ర		
800.590	290	9.078	35625	.00558	00175	61000'-	15000.	. 12819		
900.590	290	100.200	38321	00481	- 00134	00007	£7000.	15644		
800.630	530	196.370	43020	01754	00243	60000	. 00059	.12365		
800.690	990	299.250	47999	01571	002+3	00011	64000.	. 12212		
800.730	7.30	401.280	4894B	+.01328	00243	00012	.00047	. 12539		
600.730	730	600.780	48939	~.01321	0 N200 · →	00012	C+000.	. 12536		
800.7 <b>30</b>		800.370	-,48997	01323	-, 5024₽	00011	L+000.	34551.		
801.020	_	1000.200	54064°-	01319	~.√200 -	00011	. 00047	. 12554		

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DATE G2 AUG 75 IA1	IAI3 SOURCE DATA	DATA 1413,EXTERNAL TANK(T10)SEPARATING FRCM ORB. 09	38(011)38.	PARATING FR	юн ояв. ов		(840UTA)	ĬŘ.	PAGE 53
REFERENCE DATA							PARAMETRIC DAT		
2690.0000 SQ.FT. XM 1290.3000 INCHES YM 1290.3000 INCHES ZM	XMRP = 1089 YMRP = ZMRP = +00	1089.6000 IN. XO JOOD IN. YO 400.0000 IN. ZO				MACH ALPHA DALPHA ELEVTR Y	052.7 000.15- 000.1 000.0	PTOTAL BETA DBETA BETA AILRON B	000 · 08
RUN NO.	NO. 1857 0	FRV/L	. <del>1</del>						
>	^	Z	ī	5	2	ď.	5		
1200.700	10.951	43062	01308	00246	00026	.00058	. 12356		
1200.700	100.280	42581	01618	00183	00002	. 00085	. 12497		
1200.800	200.940	45318	02022	0023 <b>e</b>	00010	.00059	. 12224		
200.900	300.480	48569	01462	00233	00011	84000	12149		
.00.800	397.810	- ,48943	01327	00235	00012	9+000.	12527		
1201.000	594.600	16684	01321	00235	0001z	C4000.	13571.		
200.900	1000.0001	62064	01320	00235	00013	.00047	12549		
	<b>V</b> I	IAI3,EXTERNAL TANKITIOISEPARATING FROM ORB. 09	;NK(T10)SE	PARATING FR	OH ORB. 09		(RTJ049)	49) (31 JUL	ا الا
REFERENCE DATA							PARAMETRIC DATA	C DATA	
2890.0000 \$0.FT. XN-8 1290.3500 INCHES YHRP 1290.3000 INCHES ZHRP	• • •	1089.6000 IN. XO .0000 IN. YO 400.0000 IN. ZO				MACH ALPHA DALPHA	4.520 -21.000 -4.000	PTOTAL = 3ETA = DBETA =	<b>60.000</b> .000
						ELEVIR .	000.	AILRON .	000.
PČE NO.	W. 189/ 0	RN/L •	4.80						
×	2	Š	r F	Շ	CYN	ಕ	₹5		
8	200.990	32355	- 01145	00213	00010	. 00037	. 12678		
<u>+</u>	303.340	יל המת ממניים ממניים	04.643	700·	60000	BC000.	. 12229		
0 0 5 5 7	599.890	2906h	10010.1	(\$300'-	60000	25000 ·	12021.		
.463	799.930	91064	01322	6.200	00010	94000.	. 12550		
۲۱5.	958.410	49033	01321	00251	00010	9+000.	.1255;		
P. NO.	0 /061 .0	RN/L .	4.80						
×	Z		C.	ځ	CYN	es S	ర		
400.570	199.950		01539	00231	00010	99000	. 12387		
400.600			02178	00250	6000014	.00054	. 12159		
400.770	39 330	+,48034	01609 - 01328	002v7	0001	£7000.	12054		
400.610	800.210		01327	002.00	01000	9+000.	12557		
430.680	1000.200		01325	00245	00010	9+000	<del>1</del> 50.		

n A

(RTJ049) ( 31 JUL 75 )

## IA13, EXTERNAL TANK (T10) SEPARATING FROM ORB. 09

1260 3000   100-52   11-20	REFE	REFERENCE DATA	¥.							PARAMETRIC DATA	: DATA		
C	2690.0000 1690.3000 1290.3000	SQ.FT. INCHES	7148P						_ ~	000 : 12 · 000 · 000 · 12 · 000 · 000 · 12 · 000 ·		000°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°	
x         z         CN         CN         CN         CN         CB         CA           0.340         299.03        01737        00240        00011         .00042         .12405         .12405           0.340         299.030        49104        01737        00249        00010         .00046         .12552           0.540         299.030        49104        01324        00249        00010         .00046         .12552           0.540         299.030        49104        01324        00249        00049         .00046         .12552           0.80         1000.500        49014        01324        00249        00049         .12552           0.80         47.24        49014        01324        00249        00049         .12552           0.80         47.24         CN         CLM         CV         CVM         CA           0.80         47.24         CM         CV         CVM         CA         CA           0.80         47.24         CM         CVM         CA         CVM         CA           0.80         47.24         CM         CVM         CVM         CA<			PEN NO.		FN/L	£.80							
C. 390		×		2	ક	5	Շ	CAN	<b>18</b> 5	3			
0.540		900	350	202.880	-, 39040	01737	00240	00011	₹.000.	12405			
0.540 399.33049903013540024300009 .00046 .12550 .12550 .1270 800.2700 80014013240024500010 .00046 .12555 .12555 .100240 .1000.500 .40046 .125550024900010 .00046 .12555002490013220024900010 .00046 .125590024900132200132200049 .00045 .125592432240000049001324000440024200010 .00046 .12549243224000024200010 .00046 .12549002420024200010 .00046 .1254924322400002420024200010 .00046 .1254924322400002420024200010 .00046 .1254924322400002420024200010244400242002440024200010244400242000102444000024040024200010244400000244400002444000024440000244400002444000024440000244400002444000024440000244400002444000024440000244400002444000024440000244400002444000002444000024440000244400002444000024440000244400002444000024440000244400002444000024440000244400002444000024440000244400002444000002444000			90	299.030	96157	02031	-,00245	00010	.00054	12121			
0.540 599.7FG49014013220024500010 .00046 .12552002450024900011 .00046 .125520024900011 .00046 .125590024900011 .00046 .125590024900011 .00046 .1255901322013220024900011 .00046 .1255901322013220024900011 .00046 .125490024901322013240024900049 .1254900249013240024900049 .1254900249013240024900049 .1254900249013240024900049 .125490024900011 .00046 .1254900249013240024900011 .00046 .125490024900011 .00049125490000000491254900000004912549000000049125490000000491254900000004912549000000049000049049000004904900000049049000000490490000004904900000490490000049049000000490490000004904900000490490000004904900000049049000000490490000004904900000490490000049049000000490490000004904900000049049			076	398.330	48903	01357	-,00243	60000	94000.	.12150			
0.770 800.27049034013250024900010 .00046 .12555  RAM HO. 1927 0 RN/L = 4.80  RAM HO. 1927 0 RN/L = 4.80  X		800	040	599.760	+1064	01324	-,000%	00010	94000.	.12552			
NAME   1927   CA   CA   CA   CA   CA   CA   CA   C		800	077	800.270	48084	01325	€ ₹200 -	00010	9+000.	.12556			
NAM   NO   1927   O   FRVL =   4.80		800	32	000.500	49062	01322	00245	00011	9,000.	. 12559			
2 CN CUH CY CYN CBL CA 0.8000 9000-5 24.32 0.8000 598-81048910013600024200009 00045 24.32 0.8000 598-81048970013640024200011 00046 12548 0.2000 598-5048977013640024500011 00046 12548 0.2000 598-5048977013640024500011 00046 12548 0.2000 1N. XO 1A13, EXTERNAL TAVKIT101 SEPARATING FROM OR8. 09 1A13, EXTERNAL TAVKIT101 SEPARATING FROM OR8. 09 1A13, EXTERNAL TAVKIT101 SEPARATING FROM OR8. 09 1A13, EXTERNAL TAVKIT101 SEPARATING FROM OR8. 09 1A13, EXTERNAL TAVKIT101 SEPARATING FROM OR8. 09 1A13, EXTERNAL TAVKIT101 SEPARATING FROM OR8. 09 1A14, F. S. CON OR S. V. V. CVN OR1 CLM 9.000  9.000  9.000  9.000 9.000  9.000  9.000  9.000  9.000  9.000  .			PCN NO.		RN/L	<b>4</b> .80							
0.800		×		7	8	บี	۲	E.S	ඡ	5			
1.000 799.86048978013540024600011 .00046 .12587 1.000 799.86048977013540024500011 .00046 .12588 1.000 799.86048977013260024500011 .00046 .12588 1.0132648977013260024500011 .00046 .12548 1.0132648977013260024500011 .00045 .12548 1.01332			800	401 B+0	01887	01360	00242	60000'-	. 00045	2432			
1.000   799.880   -1.49076   -1.01326   -1.00242   -1.00010   .00046   .12568     1.200   598.550   -1.48977   -1.01326   -1.00245   -1.00011   .00046   .12548     1.200   598.550   -1.48977   -1.01326   -1.00245   -1.00011   .00046   .12548     1.201   1.201   1.201   1.201   1.201   1.201   1.201   1.201   1.201     1.201   1.201   1.201   1.201   1.201   1.201   1.201   1.201   1.201   1.201     1.201   1.		1200	800	598.810	- 48989	01324	00246	00011	9+000.	. 12547			
1413.EXTERNAL TAMK(TI0)SEPARATING FROM OR8. 09   (RTJ050) (31 JJL 7		1201	000	799.880	49076	01324	00242	01000	94000.	. 12558			
DATA  L. XHEP = 1089.6000 IN. XO  S. YHEP =0000 IN. XO  S. YHEP =0000 IN. XO  S. ZHEP =0000 IN. ZO  RUN ND. 1937 O RN/L = 4.81  R. Z		1200	200	596.550	71684	01326	00245	00011	94000.	.12548			
DATA  . XMSP = 1089-6000 IN. XO  S YMSP = 0.0000 IN. XO  RUN NO. 1937 O RN/L = 4.81  RUN NO. 1937 O RN/L = 4.81  RUN NO. 1947 O RN/L = 4.81  RUN NO. 1947 O RN/L = 4.81  RUN NO. 1947 O RN/L = 4.81  RUN NO. 1947 O RN/L = 4.81  RUN NO. 1947 O RN/L = 4.81  RUN NO. 1957 O RN/L = 4.81  RUN NO. 1957 O RN/L = 4.81  RUN NO. 1957 O RN/L = 4.81  RUN NO. 1957 O RN/L = 4.81  RUN NO. 1957 O RN/L = 4.81  RUN NO. 1957 O RN/L = 4.81  RUN NO. 1957 O RN/L = 4.81  RUN NO. 1957 O RN/L = 4.81  RUN NO. 1957 O RN/L = 4.81  RUN NO. 1957 O RN/L = 4.81  RUN NO. 1957 O RN/L = 4.81													
DATA  . XHRP = 1089.6000 IN. XO  S YHRP = ,0000 SN. YO  S ZHRP = ,0000 SN. S ZHRP = ,000 SN				141	S, EXTERNAL	7A*K(T10)SE	PARATING FR	OH ORB. 09		(RTJ05		. 25 .	
STATE   1089-6000 IN. XO	ACFE!		<b>4</b>							PARAMETRIC	DATA		
THEY = 400.0000 IN. ZO  ALPHA = -9.000 BETA = 1.000 IN. ZO  RUN NO. 1937 O RN/L = 4.81  Z CN CLM CBL CA  1.74 400.61032542027230025200010 .00063 .12548  2.29 600.21047015018690023500010 .00045 .11810  2.300 799.79049978013270023400011 .00046 .12548  RAN NO. 1947 O RN/L = 4.81	2690.0000	\$0.FT.	<b>8</b>						HACH	4.520	PTOTAL .	60.000	
FLEVTR 4	300 3000	7 Z	90		! 3				ALPAK 24 P44	000.00	JBC 7.4	000	
RUN NO. 1937 O RN/L = 4.81  Z CN CLM CYN CBL 174 400.61032542027230025200010 .00063 299 600.21047015018690025400011 .00045 774 997.91049978013240023500011 .00046 RUN NO. 1947 O RN/L = 4.81	0100	<u> </u>	<u>.</u>		<u>:</u>				ELEVTR .	000	_	000	
Z CN CLM SY CYN CBL 299 600.21032542027230025200010 .00063 299 600.21047015018690023500010 .00045 300 799.79048985013240023400011 .00046 774 997.91048978013270023600011 .00048 RAN NO. 194/ 0 RW/L = 4.81		_	₹	193/ 0	RN/L	.8							
.299 600.21032542027230025203010 .00063 .299 600.21047015018690023500010 .00045 .300 799.79048965013240027400011 .00046 .774 997.91048978013270023600011 .00046 .804 NO. 1947 0 RN/L = 4.81		×		7	ક	C.	5	Z.	<b>ස්</b>	ర			
299 600.21047015018690023500010 .00045 300 799.79048985013280027400011 .00046 774 997.91048978013270023600011 .00046 RAN NO. 1947 0 RN/L = 4.81		•	-	+00.610	32542	02723	00252	03010	.00063	. 12386			
300 799.79048985013240027400011 .00046 774 997.91048978013270023600011 .00048 RUN NO. 1947 0 RN/L = 4.81		7		500.210	47015	01869	00235	00010	€₩600.	.11810			
774 997.91049978013270023600011 .00048 RUN NO. 1947 0 RN/L = 4.81		•	300	799, 790	- 48985	0132H	00234	00011	9.000	12548			
RN/L .			ž	997.910	4897 <b>8</b>	01327	00238	00011	9,000.	. 12547			
		_	ر الا	0 /46	- J/88	18							

CA .11776 .12568 .12558

CBL .00093 .00046

-.00011 -.00011

CY -.00207 -.00242 -.00243

-.01400 -.01328 -.01327

CN -.48529 -.49048 -.49013

500.320 800.410 998.050

X 400,460 400,670 398,350

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PAGE   PAGE	<b>ν</b>	_		0000					_		000.		
### FEFERENCE DATA   IA13_EXTERNAL_TANKITIO1SEPARATING FROM 068. 09   FARAMETRIC DATA   FARAMETRIC DAT		£ 75		90.08					z K		0.08 0.00		
IAI3 SOURCE DATA   IAI3.EXTERNAL TAMKITIO)SEPARATING FROM OR8. 09   IAI3.EXTERNAL TAMKITION OR8. 09   IAI3.EXTERNAL TAMKITION OR8. 09   IAI3.EXTERNAL TAMKITION OR8. 09   IAI3.EXTERNAL TAMKITION OR8. 09   IAI3.EXTERNAL TAMKITION OR8. 09   IAI3.EXTERNAL TAMKITION OR8. 09   IAI3.EXTERNAL TAMKITION OR8. 09   IAI3.EXTERNAL TAMKITION OR8. 09   IAI3.EXTERNAL TAMKITION OR8. 09   IAI3.EXTERNAL TAMKITION OR8. 09   IAI3.EXTERNAL TAMKITION OR8. 09   IAI3.EXTERNAL TAMKITION OR8. 09	PA(		DATA	PTOTAL BETA BETA BOBETA BAILRON B						: DATA	_		
### TANK   14.13 SOURCE DATA   14.13 EXTERNAL TANK   1101 SEPARATING FROM GR8. OB   14.13 EXTERNAL TANK   1101 SEPARATING FROM GR8. OB   15.000 IN. XO   14.000 IN. XO   15.000		(RTJ05	PARAMETRIC	4.520 -2.000 -9.000 .000		CA . 12218 . 12549 . 12549		CA 552 	(RTJO	PARAMETRIC	4.520 -21.000 -19.000 .000		CA .11824
#EFERENCE DATA  ### BOOD SQ.FT. XFFP = 10  ### BOOD SQ.FT. XFFP = 10  ### BOOD SQ.FT						CBL 00026 .00046		CBL . 00046 . 03046			MACH ALPHA BOALPHA BELEVTR		CBL .00043
#EFERENCE DATA  ### BOOD SQ.FT. XFFP = 10  ### BOOD SQ.FT. XFFP = 10  ### BOOD SQ.FT		OH OP8. 09				CYN 00006 00011 00010		CYN 00010 00010	NOTH ORB. 09				CYN 00009
#EFERENCE DATA  ### BOOD SQ.FT. XFFP = 10  ### BOOD SQ.FT. XFFP = 10  ### BOOD SQ.FT		PARATING FR				CY 00312 00244 00241		CY 00244 00242	PARATING FR				CY 00251
#EFERENCE DATA  ### BOOD SQ.FT. XFFP = 10  ### BOOD SQ.FT. XFFP = 10  ### BOOD SQ.FT		TANK (T10) SE			18.4	CLM 01467 01329 01331	£.8	CLM 01329 01329	TANK (T10)SE		0.00	<b>4</b> . <b>8</b> 1	کاۋان
#EFERENCE DATA  ### BOOD SQ.FT. XFFP = 10  ### BOOD SQ.FT. XFFP = 10  ### BOOD SQ.FT	. ✓	3,EXTERNAL		<u>z z z</u>	FBV/L	CN - 48052 - 48944 - 48917	RN/L	CN 48968 48984	13, EXTERNAL				CN 48074
REFERENCE DAT 3000 SQ.FT. 3000 INCHES 3000 INCHES 800.2 800.	SOURCE DAT	Ĭ				2 599.280 801.550 1000.500	196/	7 799.320 998.360	۲-				2 997.730
REFEREN 33000 150 0100 1000 100 1000 1000 1000 100	IAI		DATA		ž	X 30.230 30.850 30.740	Ş	× 30.600 39.600		DATA		S.	x -2.812
2	27 OUR		REFERENCE	2690,0000 SQ.FT 1290,3000 INCHE 1290,3000 INCHE		888		સ ક		REFERENCE	2690.0000 50.F. 1290.3000 1NCH 1296.3000 1NCH .0100		
SPEF SCALE	1 E 05 1			HEF							SPEF . UREF . BPREF . SCALE .		

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(RTJ032)	

(RTUCS2) ( 31 JUL 75 )	PARAMETRIC DATA	ALPHA
IAIJ, EXTERNAL TANK (TIO) SEPARATING FROM ORB. DR	REFERENCE DATA	9REF = 2680.0000 90.FT. : 2099 = 1089.8000 IN. XO LREF = 1290.3000 INCHES YMPP = 0000 IN. YO BREF = 1290.3000 INCHES ZH9P = 000.0000 IN. ZO SCALE =

	<b>e</b> 5	00072 . 00529 . Tr500.	.00317	.00527	.00569	.00141	.00284	. 0020	<b>9</b> 6€200.
	ç	.00370	00618	01320	01112	0092 <b>6</b>	00166	00160	00159
. 36 36	ş	01410	03779	00152	00951	01698	01311	01215	+1210
FBV/L -	8	04607	03146	01538	.00837	.00907	05070	05333	05333
MO. 1987 0	~	16.430	98.9¥	200.250	303.040	+0+.360	600.140	799.980	1000,100
30	×	. 102	.03	. 153	.083	243	2	<u>.</u>	8

# IA13, EXTERNAL TANK (T10) SEPARATING FROM ORB. 09

110.000	000.	000	10.000	
PTOTAL -	BETA .	OBE 7A	AILRON -	
4.530	000	900	000	000
	•	•		•
HACH	ALCHA	DALPH	ELEVTA	<b>&gt;</b> -
	- 4.530 PTOTAL -	. 4.530 PTOTAL	#,530 PT0TAL = ,000 BETA = ,000 00ETA =	HACH = 4.530 PT0TAL = 110.000 ALF:A = .000 BETA = .000 DALPHA = .000 DBETA = .000 ELEVTR = .000 A1LRON = 10.000

PLY NO.	0 /681 .	FEV.	6.97				
×	2	ŧ	ð	ઠ	CYN	<b>E</b> S	ర
<b>P</b>	20.978	3663	01140	0008	00017	.00263	.07807
.182	57.1.68	05140	01286	00131	00043	.00274	. 09059
8	199.600	02772	.00108	0024B	00092	.00283	96680.
.107	301.540	.01046	00384	00227	00054	.00333	.08850
<u>16</u> 1 .	397.950	.03493	~.01598	00191	00059	.00382	98060
-212	599.370	04108	01411	00163	00029	.00≥9•	.08045
Ķ,	799.730	05.324	01213	00164	00029	.00295	.08389
.≥00	999.930	05324	01213	00166	00030	. 00295	.08384

REFERENCE DATA

- 1089,6000 IN. XO - 0000 IN. YO - 400,0000 IN. ZO 94EF = 2990,0000 50,FT, LREF = 12:00,3000 INCHES BREF = 1290,3000 INCHES SCALE = .0100

RCE DATA	
1A13 SOURCE DATA	
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AUG 75	

}	באוב אב אכן יא										
			[A13	I, CXTERNAL	TANK (T10) SE	1A13,EXTERNAL TANKITIONSEPARATING FROM ORB. 09	OH ORB. 09		(RTJ05%)		31 74 75
	REFERENCE DATA	<b>*</b>							PARAMETRIC DATA	C DATA	
	,	;			ć			HACH	4.530	PTOTAL -	110.000
3365	2690.0000 SQ.FT.	È	1089, 5000	ż :	2 9			_	000	₽£ 7 A ■	000
LREF .	1290.3000 INCHES	d i	•	.0000 IN. 4	2 6			DALPHA	000	08ETA -	000
• 3388	290.3000 INCHES	Z	* *00.	400.0000 1N. 6	<b>.</b>			ELEVTR .	000	AILRON .	10.000
SCAL	93.0							• ~	200 000		
	-	25	2007 O	- Y.K.	6.58						
	,		•	Z	ž	ò	CYN	<b>5</b>	3		
			<b>,</b>		002.10	06700 -	- 00061	00268	₩2980		
	• 1	050.	6.518	04350	30510.1 30630.1	00065	16200	.00238	.09266		
	•	. U.S.	20.00	0010			00100	01000	08569		
	•	.201	199.910	01807	00022	26800.	0.000	£2000.	18801		
	•	751.	303.120	.00727	00590	Boons.	01000.	ח המסי	- 0000		
	•	.227	404.730	.01178	- 01665	60283	00165	/ <b>1</b> C00	(8/80		
	•	<u>5</u>	599.950	1+8+0	01376	1+100	00035	N1500.	₹1880°		
		×	799, 890	05313	01215	00162	00029	.00295	.08381		
	•		000.0001	05318	01215	00164	62000	. 00295	18560		
			[41.	3.EXTERNAL	TANKIT:01SE	IAI3,EXTERNAL TANKIT:0)SEPARATING FROM ORB. 09	OM OP8. 09		(RTJ055)		1 31 30. 75
	REFERENCE DA	DATA							PARAMETRIC DATA	C DATA	
į	13 03 0000 0090	2	1089,61.00	Z	QX			MACH	1,530	PTOTAL .	110.000
֝֞֞֜֜֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	Chick book occ.	9		2	2			ALPHA.	000.	• ¥138	. 000
ייי מעני מעני	1290.3000 INCHES		0000.00%	. <u>.</u>	02			CALPHA .	000	DBE 1.A .	-5.000
SCALE .	0010	)						ELEVTR •	.000 -200.000	A1LRON -	10 · 000
		,			,						
		₹	201/0	- 1	0.07						
	×		2	8	CL#	5	3	CBL	ర		
		150	18.651	03131	01118	.00957	-,00053	. 00520	. 08654		
	•	901	98.255	02438	- 60912	₹000	00368	. 60483	. 09321		
		82	200.170	01172	₹2000.	91109	00515	.00583	71780.		
	•	198	303.040	.01531	00691	00827	00143	.00623	÷1680		
		, , ,	400,160	.02123	01649	00885	.00053	. 00278	.08830		
	•	6	600.000	04926	01390	00177	000 <b>24</b>	.00284	.08032		
		7.0	026.661	05309	01217	19100	00029	.00295	.08381		
		20.00									

DATE 02 AUG 75

	꾩
	IAIR EXTERNAL TANK (T10) SEPARATING FRO
	CXTERNAL
X TA	1
IAI3 SOURCE DATA	
1413	

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31 JAL 75
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(RTJ055)
8
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FROM ORB.
K(T10;SEPARATING
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10,5
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	000.011 000.8 000.10		
0A7A	PTOTAL = BETA = DRETA = ALLHON =		
PARAMETRIC DATA	000 000 000 000		42 987(7) 99050 90050 90072 90072 900390
-	MACH		20.00. 20.00. 20.00. 0.00. 0.00. 0.00. 0.00. 0.00. 0.00. 0.00. 0.00.
			CYN000310007400027000630006700067
			00596 00476 00556 00496 00170 00162
		8.58	01298 01300 .00098 01570 01571 01571
	0% .NI 0000.004	RN/L	CN - 06222 - 05780 - 05960 - 03481 - 04643 - 05308 - 05310
	-	. 202/ 0	2 19.661 100.330 198.310 301.900 400.290 600.070 799.890
	XHRP YHRP ZHRP	PCN NO.	. 106 . 042 . 114 . 153 . 135 . 135 . 115 . 068
ALTO TOWNS DATA			×
	SPEF * LREF * BREF *		

# IAIB, EXTERIAL TANK (TID) SEPARATING FROM ORB. 09

(RTJ057) (31 JUL 75 )

	000.011 0000 0000 00000		
DATA	PTOTAL - 1 BETA - DBETA - AILRON -		
PARAMETRIC DATA	4.530 .000 .000 .000		CA .08406 .09279 .08648 .08829 .0802 .08174
	MACH ALPHA DALPHA ELEVTR Y		CBL .00008 .00068 .00048 .00383 .00318 .00294
			CYN -,00068 .00314 .00370 -,00060 -,00035 -,00029
			00483 .00519 .00532 .00532 00165
		6.59	-,01037 -,00888 .00143 -,01454 -,01454 -,01415 -,01215
	9.6000 IN. XO .0000 IN. YO 0.0000 IN. ZO	RN/L .	CN - 03825 - 03143 - 01407 01063 - 04617 - 05289 - 05289
	0000.004 •	203/ 0	23.474 23.474 101.120 204.550 300.120 397.320 600.000 799.730
ς . ΤΑ	¥ <del>7</del>	₹	268 004 044 029 078 234 234 234
REFERENCE C	7896. 1230.		* ' (
	SPEF - SCALE - SCALE		

DATE 02 AUG 75	1A13 SOURCE DATA	RCE DATA							PAGE	65 36 F
		[1]	EXTERNAL T	ANK (T10) SE	1A13,EXTERNAL TANKITIO)SEPARATING FROM ORB. 09	OM OPB. 09		(RTJ058)	18) (31 JA	ሊ 75 ነ
REFERENCE DATA	ŢĀ							PARAMETRIC DATA	: DATA	
SPEF = 2590,0000 SQ.FT. LPEF = 1290,3000 INCHES BPEF = 1290,3000 INCHES SCALE = .0100	XHRP YHRP ZHRP	.083. .00.	1089.6000 IN. XO .0000 IN. YO .400.0000 IN. ZO				MACH A, PHA DALPHA ELEVIR	4.530 .000 -10.000 .000	PTOTAL - BETA - DBE - AILRON -	000.01
	RUN NO.	504/ 0	RN/L	6.59						
×	7		3	r T	ن	SYN	ŧ	5		
	158 300	300.700	10470	00939	- (296-	-, 00354	0042 <b>6</b>	.09182		
•		400.410	00890	01342	01745	00020	<b>2</b> ≠₹00°.	<b>ት</b> 2680 .		
•		602.300	.00353	02 <b>221</b>	00515	.00037	-,00254	79670.		
•		800.330	05400	01176	00162	00028	4 <b>62</b> 00	.07969		
•		999.240	05281	01215	00164	00029	46200.	578375		
•		1298.600	05280	01214	00165	6-2000	₩6200.	.08365		
		[1]	EXTERNAL T	ANK (T10) SEF	1A13,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09	OH ORB. 09		(RTJ059)	31 M	. 8. 1
REFERENCE DATA	T.A.							PARAMETRIC DATA	: DATA	
		9 000	0000				#VVH	4.530	PTOTAL -	110.000
SMER	- dy	0.60.1					A: PHA	000	BETA .	000
•	d) 1.7	#C0.0	4€0.0000 1N. ZO				CALPHA -	-10.000		000.
SCALE0100							ELEVIR •	000. CC0.	• KICHCA	00. 00.
	PON NO. 6	205/ 0	RN/L .	6.59						
:	•		ä	i	,	3	ō	ć		
•	7 181	020 101	N	- CO288	- 00334	-,00131	.00321	.09482		
		100	03595	19210 -	1000	0.000	00368	.08899		
	-	599.280	09010	02337	-,00171	95000	00381	90080		
•		064,765	- 05394	01170	5017 <b>2</b>	00028	₹6200`	.07913		
		939.750	05273	01213	00169	-, 00029	<b>₹</b> 6200`	.08375		
		1300.800	05263	012:3	00169	€0000	<b>₹6200</b>	.08373		

3.10

SPEF LREF BREF SCALE

1

## IA13, EXTERNAL TANK (TID) SEPARATING FROM ORB. 09

(TA	PTOTAL - 110.000 BETA000 DBETA000 ALRON - 10.009
PARAHETRIC DATA	MACH - 4,530 PTA ALPHA000 BE DALPHA10.090 DB ELEVTR000 A1
	MACH ALPHA DALPHA ELEVTR
	XMRP = 1089.6000 IN. XO YMRP = .0000 IN. YO ZMRP = 400.0000 IN. ZO
	X348P * 2748P *
ATAC POSTOR	2690.0000 SQ.FT. XH 1290.3000 INCHES YH 1290.3000 INCHES ZH

Ruth NO. 206/ 0 RN/L = 6:57  Z CN CLM CY CYN CBL CA 1174 300.790 .1112300907 .02409 .00211 .01076 .39221 174 300.790 .0751301379 .0129400103 .00541 .09013 192 400.430 .0751301379 .0129400137 .00959 .08295 1849 502.160 .01050502402 .0015300137 .00959 .08295 1859 999.32005261012120016900029 .00294 .08371 166 1299.80005261012130016900030 .00294 .08373	Ē						ELEVTR * Y	200.000	•
CN CLM CY CYN CBL 1112300807 .02489 .00211 .01076 .0751301379 .0129400103 .00541 .0100502402 .0016200137 .00959 .05261012110016700029 .00294 .05259012120016900029 .00294 .05261012130016900030 .00294		206/ 0	RN/L .	6.57					
. 1112300807 .02489 .00211 .01076 .0151301379 .0129400103 .00541 .00541 .00541 .00541 .00541 .00541 .00541 .00541 .00564 .0056		,	Z	, L	ζ	CYN	<b>18</b> 3	5	
.0751301379 .0129400103 .00541 .0100502402 .0016200137 .00959 .05261012110016700029 .00294 .05259012120016900030 .00294 .05261012130016900030		790	EGI II	00807	.02489	, 00211	.01076	, 38221	
.0100502402 .0016700137 .00959 05261012110016700029 .00234 05259012120016900029 05261012130016900030 .00234		0 F 1	F 1750	- 01379	₩6210.	00103	.005+1	£1060.	
. 05261 - 01101 - 00105 - 00029 . 00234 - 05259 - 011010 - 00029 . 00029 . 00234 - 05259 - 011013 - 001059 - 00030 . 00294	,	200.4.00	3 (		29100	- 00137	85600	. 08295	
05261012110016700029 .00234 05259012120016900029 05261012130016900030 .00294		502.160	C0010.	06406	100.	0000	חטפטר	94590	
05259012120016900029 .00234 05261012130016900030 .00294		900.170	05261	01211	00167		F0000	10000	
05261012130016900030 .00534		999.320	-,05259	01212	00169	00029	#5200 ·	1/50D.	
		299.800	05261	01213	00169	00030	<b>*</b> 5000 -		

# IAIS, EXTERNAL TANK (TIO) SEPARATING FROM ORB. 08

### PARAMETRIC DATA

(RTJ061) ( 31 JUL 75 )

000.011	000	- <del>2</del> . 000	000.01	
PTOTAL -	BETA -	DBETA -	A1LRON =	
4.530	000	-10.000	000	-200.000
₩	ALPHA -	DALPHA -	ELEVTR .	• >-
S		2 5	3	
:		<u> </u>	Ė	

### XMRP = 1089.6000 II YMRP = .0000.0000 II SPEF = 2690.0000 50.FT. ) LREF = 1290.3000 INCHES 1 GREF = 1290.3000 INCHES 2 SCALE = .0100

REFERENCE DATA

### RN/L . 6.57 RUN NO. 207/ 0

CA .09312 .08979 .07892 .09372
CBL .00397 .00479 00183 .00293 .00294
CYN 00523 00117 00028 00029
CY 02072 01277 00458 00169 00167
00756 01503 01571 01171 01213
CN . 16373 . 09613 . 30981 05379 05264
2 301.710 408.570 602.480 800.230 999.410
× 24.6 165 1.05. 27.5 87.0

DATE 02 AUG 75	1413 5	IAI3 SOURCE DATA							<b>C.</b>	PAGE 61
		IAI 3	EXTERNAL T	1A13,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09	ARATING FRO	24 OPB. 05		(RTJ052)		(31 JUL 75 )
REFERENCE DATA	<b></b>							PARAMETRIC DATA	DATA	
SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	XHRP YHRP ZHRP	1089.6000 .0000 .0000	1089.6000 IN. XO .0000 IN. YO .400.0000 IN. ZO				MACH ALPHA DALPHA COLPHA C	000.01-	PTOTAL - BETA - DBETA - AILRON -	110.000 000. 5.000 10.000
	RUN NO.	208/ 0	RN/L .	6.57						
× * * * * * * * * * * * * * * * * * * *	. 172 . 178 . 128 . 076 . 076 . 031	2 300.790 400.570 602.650 800.360 999.230	. 12631 . 08381 . 08381 . 01219 . 05287	-,00267 -,00925 -,02345 -,01213	CY 01821 00889 00249 00167 00168	CYN 00096 00017 00029 00029	CBL .00724 .00067 .00208 .00294 .00293	CA .09501 .08921 .08000 .08353 .08372		
		[A13	1,EXTERNAL	IAI3,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09	PARATING FR	OH OMB: 09		(RTJ063)		(31 JUL 75 )
REFERENCE DA	DATA							PARAMETRIC DATA	: DATA	
SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHE'S BREF = 1290.3000 INCHE'S SCALE = .0100	XHRP YHRP ZHRP	9.003	1089.6000 IN. XO .0000 IN. YO 400.0000 IN. ZO				MACH ALPHA DALPHA ELEVTR	4.530 .000 -10.000 .000	PTOTAL = BETA = DBETA = AILRON =	000.001 5.000.001
	PUN NO.	209/ 0	FN/L .	6.58						
* ' ' ' ' ' '	. 161 . 080 . 182 . 123 . 236	2 300.730 398.990 599.310 797.390 999.810	CN .16787 .09709 .01606 05403 05273	CLM • .00511 • .01499 • .02464 • .01168 • .01215	.01421 .00777 .00112 00167 00169	CYN .00336 00014 00026 00029 00029	CBL .00204 .00281 .00294 .00293 .00293	CA .09213 .08924 .08163 .07871 .08385		

ORIGINAL PAGE IS OF POOR QUALITY

DATE 02 AUG 75	ALG 75	IAI	IAI3 SOURCE DATA	DATA							PAGE	3
				1A15.	EXTERNAL 1	TANKI 11039EF	1A15,EXTERNAL TANKITIO)SEPARATING FROM ORB. 09	OH ORB. 09		(RTJ064)	34) (31 JUL 75	ξ.
	REFER	REFERENCE DATA								PARAMETRIC DATA	DATA	
SAEF LREF BREF SCALE	2690.0000 1290.3000 1290.3000	SQ.FT. INCHES INCHES	XHRP = 1 YHRP = ZHRP =	09.680. 00.00+	1089.5000 IN. XO .0000 IN. YO +00.0000 IN. ZO				HACH ALPHA BALPHA BELEVTR	\$.530 000.005- 000.005-	PTOTAL - 11 BETA - CAETA - AILRON - 1	000.011
		AC.	RUN NO. 210/ 0	0 %	RN/L .	6.57						
		x . 173 . 270 . 039 -1- 868	2 603.040 800.570 999.640 1298.000	270 270 370	CN .27617 00181 05486	-,04081 -,04081 -,02662 -,01148	CY 03501 00482 00163 00165	CYN .00435 .00013 00029	CBL -,0105 <b>8</b> -,00067 .00293	CA .09009 .07689 .0788		
				1413,	EXTERNAL '	FANK (T10) SEI	1A13,EXTERNAL TANKITIDISEPARATING FROM ORB. 09	OH 3A8. 09		(PTJ065)	55) (31 JUL 75	ď
	REFER	REFERENCE DATA								PARAMETRIC DATA	C DATA	
SREF • LREF • BREF • SCALE •	2690.0000 1290.3000 1290.3000	SO.FT. INCHES INCHES	XHEP • YHRP • ZHRP •	.0000 IN. .0000 IN. 400.0000 IN.	.6000 IN. XO .0000 IN. YO .0000 IN. ZO				HACH ALPHA BOALPHA BELEVTR	4.530 .000 .20.000 .000	PTOTAL - 12 BETA - DBETA - A1LRON -	.000 .000 .000 .000
		AUN NO.		211/0	FN/L	6.58						
		X .040. .037. .070.	2 603.150 798.170 999.880 1300.500	150 170 380 500	CN .40968 .02638 05450	CLM 03987 03433 01153	. 60290 60294 60171 60169	CYN 001\cd 00036 00027 00039	CBL . 004 <b>65</b> . 00392 . 00293	. 10220 . 10220 . 07578 . 07579		

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PAGE

(RTJ086) ( 31 JUL 75 )		** 4.530 PTOTAL * 110.000  ** .20.000 BETA * .000  ** .20.000 DBETA * .000  ** .000 AILRON * 10.000  ** 200.000
DATE D2 AUG 75 IAI3 SOURCE DATA 1AI3,EXTERNAL TANKITIOISEPARATING FROM ORB. 09	REFERENCE DATA	SAEF - 2690.0000 SQ.FT. XMPP - 1089.6000 IN. XO  LREF - 1290.3000 INCHES YMRP0000 IN. YO  BAEF - 1290.3000 INCHES ZMRP - 400.0000 IN. ZO  SCALE0:00

	CA .09873 .08037 .07472
	CBL .32541 .00942 .00293
	CYN -,00591 -,00153 -,00028
	. 03039 . 00150 00168
6.57	CLM 04054 01329 01142
RN/L .	CN . 28927 . 02094 - 05459 - 52459
0. 212/ 0	2 603.240 810.340 999.540 1300.000
PUN NO.	× .167 .280 128

(RTJ067) ( 31 JAL 75 )

	000.011 000.6-
A	PTOTAL BETA DBETA A DBETA A ILRON
PARAMETRIC DATA	4.530 .000 -20.000 .000
	MACH ALPHA OALPHA COALPHA C
	0 0 0 X X X
	XHRP = 1089.6000 IN. XO YHRP = .0000 IN. YO ZHRP = 400.0000 IN. ZO
<	XHRP YHRP ZHRP
REFERENCE DATA	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES
	SARF LPRF BPREF SCALE

1A13, EXTERNAL TANK(T10) SEPARATING FROM ORB. 09

CA .10040 .07707 .07580
CBC00063001560029400295
.00005 .00005 .00007
CY 02226 00405 00167 00166
.04080 03404 01154
. 38440 . 02565 - 05441
2 602.020 900.630 999.7900
× 142. 194. –

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(Mr.

111

IAI3 SOURCE DATA

1A13,EXTERNAL TANK(TIO)SEPARAT.NO FROM ORB. 09 REFERENCE DATA 3.0000 SQ.FT. XMRP = 1089.8000 IN. XO 6.3000 INCHES YMRP = 400.0000 IN. YO 6.3000 INCHES ZMRP = 400.0000 IN. ZO	HACH • ALPHA • DALPHA •
ERNAL TANB IN. XO IN. YO IN. ZO	((TID)SEPARAT.NO FROM ORB. 09

PTOTAL • BETA • DRETA • ALLRCN •		
# 000 000 000 000 000 000 000 000 000		CA .10269 .07746 .07568
MACH ALPHA BALPHA BALPHA BELEVTR PY		CBL -,01312 ,00138 ,00693 ,00293
		CYN . 00136 . 00004 00027 00028
		02103 00410 00165
	6.57	CLM 03981 03105 01153
1089.8000 IN. XO .0000 IN. YO 400.0000 IN. ZO	FRN/L -	CN .36471 .0:655 05443
	. 214/ 0	2 605.010 800.670 999.630 1297.900
T. XMRP ES YMRP ES ZMRP	RUN NO.	x .014 .099 103
2693,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES		
SREF LREF BREF SCALE		

(RTJ069) (31 JL 75 )	PLRAMETRIC DATA	- 4.530 PTOTAL - 110.000 000 BETA000 20.000 DBETA - 5.000 000 ALLROX - 10.000 - 200.000
1A13,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09	REFERENCE DATA	SREF = 2690,0000 SQ.FT. XMPP = 1089.5000 in. XO LREF = 1290.3000 inches ympp = .0000 in. YO BREF = 1290.3000 inches zmpp = 400.0000 in. ZO BREF = 1290.3000 inches zmpp = 400.0000 in. ZO SCALE = .0100

		æ	10	97	8
	5	. 098	.078	.07587	.083
	헍	61010.	.00685	.00293	<b>₹</b> 6200°
	C	00362	00102	00026	00028
	Շ	.01699	₩0000.	00167	00159
6.57	5	03919	03767	01153	01216
RN/L	3	. 38693	.03818	15450	0525k
NO. 215/ 0	2	502.350	798.100	989.960	1300.500
2	×	050	006	. 130	新

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## 1413, EXTERNAL TANK (T10) SEPARATING FROM 288. 09

(RTJ070) (31 JJL 75 )	PARAMETRIC DATA	- +, 2-20 P10TAL - 60.0005.000 BETA000 A000 OBETA000 R200 ALRON - 10.000200.000
1A13,EXTERNAL TANK(T10)SEPARATING FROM TRB. 09	REFERENCE DATA	9REF = 2690.0000 SQ.FT. XHRP = 1089.6000 IN. XO  LREF = 1290.3000 INCHES YHRP = .0000 IN. YO  BREF = 1290.3000 INCHES ZP.P = 400.0000 IN. ZO  SCALE = .0100

ج ج	. 216/ 0	RN/L .	4.83			
	2	8	5	ర	CYN	<b>6</b>
¥	17.995	11536	01396	01800	00 389	. 002 <b>01</b>
2	100.260	1025t	00846	02510	00B08	00235
211	202.020	09378	-,00953	.01723	00132	<b>70</b> 700
77.2	302.730	04460	01681	0.01040	₹6300°	99 <b>515</b>
210	400.800	11576	02101	00339	71000.	. e30 <b>5</b> 1
332	599.740	15024	01517	- 00:66	00007	.00308
333	799.800	15033	01520	- 0165	00007	.00308

CA .10507 .10448 .09911 .09420 .09411

# 1413, EXTERNAL TANK (710) SEPARATING FROM ORB. 09

(RTJ071) ( 31 JUL 75 )

	000°01 000°01	
DATA	PTOTAL • BETA • DBE A • ALRON •	
PARAMETRIC DATA	. 520 . 52. 000 . 000 . 000	
-	HACH ALPHA - DALPHA - ELEVIR -	
		m
	9 2 2	<b>6</b> 0
	<u> </u>	• \/\ */L
	- 1089.6000 IN. XO . 0000 IN. YO - 400.0000 IN. ZO	æ
	00+	17/ 0
	X MAP	RUN NO. 217/ 0 RN/L = 4.83
REFERENCE DATA	SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES SCALE = .0100	5
	SPEF - LREF - BREF - SCALE -	

≨	. 217/ 0	• 1/k	S .					
	2	8	<del>ر</del> ع	Շ	C.S	평	<b>5</b>	
161	20.766	11864	01095	00164	- 00036	. 00302	. 10135	
.237	101.290	10156	01041	00217	00057	.00307	. 10732	
193	201.890	08460	96+00	00224	6+000	+1£00°	+0660`	
278	297.930	07282	01489	00181	000 <b>26</b>	.00382	¥ 101.	
52	395.660	10843	02070	00166	00019	003'+5	£7+60.	
Ŕ	598.530	-,15071	01504	-,00159	00007	.00308	.09273	
773.	630.180	15038	15210	00159	<b>7</b> 0000	.00308	\$55EO.	

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000,000 000, 000, 10,000

DBETA -ATLRON .

PTOT &L .

BETA

.000 .000 .5.000 10.000

08ETA •

BE TA

AILRON

10628 10020 09849 09435 0943

.0000. -.0000.

-.02125 -.01518 -.01522

-,11178 -,15039 -,15037

-,00764 -,01751 -,01427 -,00553 -,00164

-.08591 -.08525 -.08543

160.800 202.400 303.300 401.120 599.670

**6**√760.-

PTOTAL .

DATE DZ AUG 75	C 204	IAIS SOUNDE DAIA	!!!								
			1413	1, EXTERNAL 1	TANK (T.10) SE	IAI3,EXTERNAL TANKITIO)SEPARATING FROM 048. 09	¥ 088.09		(470074)	74) (31 JUL	۲. د
	REFERENCE DATA	¥.							PARAME TRIC	COATA	
SPEF = LPEF = BREF = SCALE =	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	XHRP YHRP ZHRP		1089.5000 IN. XO.0000 IN. YO.400.0000 IN. ZO				MACH - ALPHA - DALPHA - ELEVIR -	925 \$- 000 000	PT07AL * RETA * CUETA * ALL ROM *	80,000 000 5,000 000 01
		PUN NO.	220/0	RN/L .	<b>4</b> .82						
	×		2	8	<b>.</b>	ک	Z.	<b>8</b> 5	Ç,		
	•	<b>X</b>	18.148	13079	01298	01219	00123	C+000	5+00t		
	•	. 220	97.593	10908	01158	00897	-, 00137	.00132	10764		
		263	202.100	08582	00482	00758	<b>8</b> 600 <b>0</b> '-	. 00 <b>276</b>	.10022		
	•	312	304.120	07352	01536	00527	. 00035	<b>√8£</b> 0∪	11001		
	•	.360	401.376	11039	02073	00197	0001≥	.0027 <b>5</b>	.09457		
	•	253	599.780	15098	01507	00159	00007	.00308	92260		
		236	799.740	15028	01521	00:63	00006	70200.	+£+60°		
			I > 1 3	I, EXTERNAL 1	TANKET: 015EF	1413,EXTERNAL TANKIT:01SEPARATING FROM ORB. 09	M ORB. 09		(ATJ075)	75) (31 JUL 78	3 E
	REFERENCE DATA	₹.							PARAMETRIC	C DATA	
SPEF . SPEF . SCALE .	2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	XIND VINDO	• • •	1089.6000 IN. XO .0000 IN. YO 400.0000 IN. ZO				MACH ALPHA BOALPHA BELEVTR	520 -5.000 .000 .000	PTOTAL BETA DOBETA DE ALLRON D	80.000 .000 5.000
		PUN NO.	221/0	FBN/L	£ 83						
	×		7	Š	r J	Շ	ž	<b>8</b> 5	5		
	. •	Ŕ	22.712	10250	01051	.00269	.00260	.00129	.10555		
		-192	101.690	08847	00704	6+110.	.00551	.00213	6+901		
	•	20 <b>6</b>	199.490	08715	00646	96600.	.00500	.00216	66860		
	•	215	297.780	08142	01533	. 00613	00108	±1±00°	.09858		
	•	<b>.</b>	396.360	10534	02192	00012	00050	.00626	.09517		
	•	301	598.670	15060	01519	00163	0000 <b>6</b>	.00308	.03+07		
	-	86	800.130	15033	01521	00164	00006	.00308	09+39		

la egg

• 2690. • 1290.												
	REFERENCE DAT	₹								PARAMETRIC DATA	: DATA	
SCALE 0100	A.FT.	XMRP YMRP ZMRP		.089.6 .0.00+	1089,6000 IN. XO .0000 IN. YO .400.0000 IN. ZO				MACH ALPHA OALPHA EELEVTR	4.520 000.21- 000.21- 000.000	PTOTAL • BETA • DRETA • ALRON •	000°01
	-	ر الا		222/ 0	RN/L .	4.e3						
	×		7		8	Ş	Շ	CYN	æ	<b>V</b> O		
	.4	. <b>273</b>	300.760	760	.05211	02213	03698	26000	- , 007,3	10523		
		.357	4C0.420	₽50	0286 <b>6</b>	02604	01658	. 00200	00202	.09758		
	-	19	599.650	650	14543	01685	00188	. 00000	16200.	19680		
	•-!	2	800.110	110	150年4	01523	00163	00006	, <b>0</b> 0307	34450		
		52	939.870	870	-,15035	01522	-,00163	-, 00006	.00308	E++60.		
	. •.	690.	1299.000	000	15038	01321	00163	00006	.00308	1,09441		
				[A13	1413,EXTERNAL TANK(TID)SEPARATING FROM ORB. 09	ANK(T10)SE	PARATING FR	OH OPPB. 09		(RTJ077)	77) (31 JUL 75	بر د کا
REFEREI	REFERENCE DAT	₹								PARAMETRIC DATA	C DATA	
SAEF - 2690.0000 SQ.FT. LAEF - 1290.3000 INCHES SCALE	O.FT. NCHES NCHES	XM89 YM89 2H89		10.000 × 10.	1089.6000 IN. XO .0000 IN. YO 430.0000 IN. ZO				MACH ALPHA - DALPHA - ELEVTR -	5.000 -5.000 -10.000	PTOTAL = BETA = CBETA = AILRON =	000.01 000.00 000.00
	•	P.N. NO.		223/ 0	RN/L .	4.83						
	×		7		₹	ş	5	C	æ	ర		
	.,	£6.	301.180	180	12403	01471	00352	00072	-00.00	.10651		
	ń	EC CO	399.210	210	. 02234	02830	00≥04	00043	.00462	1101.		
	•	 761.	800.030	030	14098	01807	00160	00007	.00305	.08728		
	•	Ē.	800.310	310	15038	01520	00158	00006	.00307	8++60		
	,,,	ē	999.870	870	15020	01518	00160	90000 -	.00307	09+39		
	٠,		1300.400	400	15029	01520	00159	00006	.00307	***60		

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.09914 .09437 .09440

-.00180 -.00158 -.00163 -.00157

-.02981 -.01747 -.01520 -.01519

.00649 -.14313 -.15012 -.15022

400.610 599.810 800.150 999.630

. 11181

-.01360

ORIGINAL PAGE IS

8
8
£
3
PARA
20.5
TANK
XTERNAL
1413.6

	80.000 .000. 8.000.					ŭ.	90.009 .000 9.000		
DATA	PTOTAL - BETA - DBETA - ALLRON -					1) ( 3) JAL 75 DATA	PT0TAL = BETA = OBETA = ALLRON =		
PARAMETRIC DATA	000.00+ 000.000 000.000		CA . 10689 . 09937	.08857 44460.	84460	(RTJ081) PARAHETRIC DATA	4.520 -5.000 -10.000 200.000		. 10664 . 09966 . 094681 . 09437
	MACH A'PHA DALPHA BELEVTR		C9L 009ñ.∂ .00090	.00307	705 30.		MACH ALPHA ODALPHA CELEVTR O		. 006.35 . 006.35 . 00.328 . 00.306 . 00.306
			. 00076	000 <b>01</b> 000 <b>04</b>	00005	M ORB. 09			CYN .00066001980009900009
			CY 02157 00845	00181	00163	IAI3,EXTERNAL TANKITIOISEPARATING FROM ORB. 09			. 00952 . 00952 . 00143 . 00165 . 00165
		4.83	CLM 01484 02622	01822	01521	ANK (T10) SEP		4.83	CLM - 01775 - 03013 - 01771 - 01519 - 01519
	1089.6000 IN. XO .0000 IN. YO	RN/L .	CN . 10063	-, 14029	15040	EXTERNAL T	.009.0000 IN. YO .0000 IN. YO .0000 IN. YO	RN/L	CN . 11579 . 01335 14245 15034 15022
	• • •	. 226/ 0	301.420	599.700 800.170	259.300	1413	• • •	0 /122	200. 300 300. 300 998. 998 079. 998 069. 998 008. 308 008. 308
CE DATA	CHES YHRP	PCN NO.	300 ×	308	809. 870.	CE DATA	.FT. XHRP CHES YHRP CHES ZHRP	RCN NO.	×
REFERENCE	2690.0000 SQ.FT 1290.3000 INCHE 1290.3000 INCHE					REFERENCE	2990.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES		
	SOREF . 1 BREF . 1 SCALE .						Seef • 2 LREF • 1 SCALE • 1		

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PAGE 71	(RTJ082) (31.AL 75.)	PARAMETRIC DATA	MACH • 4.520 PTOTAL • 90.000 ALPHA · -5.000 BETA • .000 DALPHA • -20.000 DBETA • .000 ELEVTR • .000 ATURON • .10.000 Y		CBL CA -, 02408 , 10959 -, 00:39 , 08657 -, 00304 , 48714 -, 00307 , 09440	(RTJ083) ( 31 JUL 75 )	PARAMETRIC DATA	MACH = 4.520 PTOTAL • 80.000 ALPHA = -5.000 BETA = .000 DALPHA : -20.000 DBETA = .000 LLEVTR = .000 A'LROM = 10.000 Y		CB. CA00467 .10645 .00348 .08571 .00305 .09434
DATE DE AUG 75 'A13 SOURCE DATA	1A13,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09	REFERENCE DATA	SPEF = 2690.000 50.FT, XMRP = 1089.8000 IN, X0 LRF = 1290.300J INCHES YHRP = .0000 IN, Y0 BARF = 1290.3000 INCHES ZMRP = 400.0000 IN, Z0 SCALE = .0100	RUN MO. 228/ 0 RN/L . 4.82	x 2 CN CLM CY CYN 178 601.980 .208400489403346 .00479 187 799.720110450276500419 .00040 247 999.99615157014770016900003	1A13,EXTERNAL TANKIT10'SEPARATING FROM ORB. 09	REFERENCE DATA	XHRRP • 1089.6000 IN. XO YHRRP •0000 IN. YO ZHRRF •400.0000 IN. ZO	RUN NO. 229/ 0 RN/L . 4.83	X Z CN CLM CY CYN .165 602.090 .31823047290024600111 .116 799.430073520376000223 .00005 .277 1000.30015158014730015600005 .258 1300.2001500901517 - 0015600007

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DATE DE AUG 75	1413 SC	IAI3 SOURCE DATA							PAGE	<del>ر</del> ع
		1413,	EXTERNAL TA	N#K(710)SEP	IAI3,EXTERNAL TANK(TIO)SEPARATING FROM OF J. 08	M 063. 08		(RT-084)	94) (31 JUL 75	k 78 )
REFERENCE DATA	T.							PARAMETRIC DATA	: DATA	
SREF = 2690.0000 SQ.FT. LREF = 1290.3070 INCHES BREF = 1290.3000 INCHES SCALE = .0:00	XMBP YMBP ZMBP	. 1089.6000 IN. . 0000 IN.	089.6000 IN. XO .0000 IN. YO				HACH ALPHA DALPHA ELEVIR Y	025.4 000.5- 000.05- 000.002	PTCTAL • BETA • DBETA • ALRON •	000 01 000 000 000
	PEN NO.	230/ 0	RBV/L .	4.83						
* ' ' ' '	218 110 136	2 602.130 800.130 949.820 1300.000	CN .21749 09497 15148	04873 03062 01473	.02941 .00083 00158	CYN 00591 00056 00004	. 033*8 . 033*8 . 006!6 . 0030*	. 10918 . 08796 . 08711		
		[A13.	EXTERNAL T	A-K (T10)SEF	1413,EXTERNAL TAAKITIO1SEPARATING FROM ORB. 09	OH ORB. 09		(RTJ085)	95) (31 JUL 75	ر 37 يا
REFERENCE DATA	ATA							PARAMETRIC DATA	C DATA	
SAEF - 2090.0000 50.FT. LAEF - 1290.3000 INCHES BREF - 1290.3000 INCHES SCALE0100	XMARP YMARP ZMARP	99.6801 10.00	1089.6000 IN. XO. 400.0000 IN. ZO				MACH ALPHA BOALPHA BELEVTR	4.520 -5.000 -20.000 -200.000	PTOTAL • BETA • OBETA •	80.000 .000 -5.000 10.000
	RGN NO.	231/ 0	RN/L .	4.83						
*' 7	. 164 164 164 164	2 603.330 799.870 999.940 298.300	CN . 28728 07432 15151	CLM 04640 03719 01472	CY 01905 00355 00162	. 00005 - 00005 - 00005	CBL -,00879 ,00237 ,00304	CA 0870 .08555 .08604 .09430		

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DATE OF AUG 75	IAI3	IAI3 SOURCE DATA	0A1A					§ {		1 an	PA06	)E 73
			1413,	EXTERN/	AL 74	NK(T10)SEF	TATS, EXTERNAL TANK(TED) SEPARATING FROM ORB. 09	80 386 38 F		100 H	-	
REFERENCE DATA	A7.40									PARAMETRIC DATA	: DATA	
SPEF = 2690,0000 SQ.FT. LPEF = 1290,3000 INCHES BHEF = 1290,3000 INCHES SCALE =	2.48P		09.680 00.004	. MT 0000 . MO . MT 0000 . . MT 0000 . MY	20 X X				MACH ALPHA OALPHA ELEVIR Y	550 000 05- 000 05-	PTOTAL - 9ETA - 0BETA - ALRON -	000.01 000.2 000.01
	35 NO.		232/ 0	RN/L		¥.82						
	× .205. .146 .078	2 633.540 799.900 999.800 1298.400	0 0 0 0	CN 28424 -, 29936 -, 15147 -, 15017	1011	CLM 04752 03347 01471 01518	. 02477 - 02477 - 00439 - 00184	. 00255 . 00042 00004	. 01953 . 00133 . 00304 . 00306	CA . IOB '6 . 08581 . 09438		
			!AI3.	EXTERN	¥L _T.	NAK (T10) SE	IAI3,EXTERNAL TANKITIO)SEPARATING FROM ORB. OB	OH ORB. 09		(ATJ087)	37) (31 JUL 75	UL 75 1
REFERENCE DATA	DATA									PARAMETRIC DATA	DATA	
SARF - 2890.0000 50.FT. LARF - 1290.3000 INCHES BARF - 1290.3000 INCHES SCALE0100	5 2HRP 5 2HRP	• • •	00.00+	1089.6006 1N. .0000 1N. 400.0006 1N.	<b>9</b> 9 8				MACH ALPHA - DALPHA -	520 -5.000 -20.000 .000 200.000	PTOTAL = BETA = OBETA = ALPON =	80.000 .000. 000.01
	PCN NO.	). 233/	0 /8	PN/L		4.83						
	× 755. 060. £43.	2 602.080 799.350 1000.300	300 300 100	CN .30335 06569 15167 15010	10 0 C 0	04577 03953 01473	.01517 00115 00158	CYN 00356 00039 00005	CBL .01902 .00488 .00304	.11000 .11000 .08624 .08603		

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## (RTJ098) (-31 JUL 75 ) 1A13,EXTERNAL TANKIT101SEPARATING FROM ORB. 09

_	AL 10.000 1																													
PARAMETRIC DATA	4.530 PTOTAL .000 BETA .000 0BETA 10.000 ALROM		CA	.0759 <b>8</b>	16180.	.09136	\$1060.	₩8260.	9C -BO'	68480.	. 08475		۲,	11,60	. 09711	. 09028	00060	. 08582	69+80	.08488	<b>\$</b> 0.280.		5	.08636	. 09236	.08798	.08346	.08393	.08*82	.08473
	MACH ALPHA DALPHA EELEVTR		<b>8</b>	. 00021	*2000.	.00036	05000.	75000.	.00025	.00026	.00026		ಕ	₩000.	£ 4000.	.0002€	B00000	.0000	.0002 <b>6</b>	92000.	.00028		ğ	61000.	.00026	00025	410,00.	.00027	.00026	92000
			CYN	000 <b>20</b>	00037	00079	-,00038	00031	0002 <b>8</b>	-,00028	00027		C	00103	00064	0,000	00023	0002¥	00029	00029	00028		CYN	00076	00016	00022	00024	-,00029	00028	00000
			Շ	00130	00176	00298	00256	00231	00199	00197	00198		Շ	PC-00	₹6200	-,00250	30272	00221	00203	00201	00204		5	00241	-,00335	+ + 200	00216	00204	- 00204	
		9.39	P.	0107€	01621	00201	00718	02021	01831	01568	01563	6.59	±	F8500	- 00155	00788	02378	02584	91560	01563	01564	6.59	ž	37610	01528	02749	02493	++910	01564	
	000 IN. 70 .0000 IN 70 400.0000 IN. 20	RN/L	3	03852	04135	01930	16020.	06840.	03416	04538	04230	RN/L.	Z	1,79A	F7710	21610	.06787	.00665	04199	04501	04199	RN/L .	3	81180	21060	.05609	00469	03995	1.04199	
		RUN NO. 234/ 0	2	2.613	100.730	198.070	301.760	399,900	597.960	799.850	1000.300	RUN NO. 235/ 0	•	4 1 1	21.001	000.000	300.090	399,990	598.890	799.830	1000.100	0. 236/ 0	•	1 472	020 001	200.130	300.740	400.030	599.9+0	
REFERENCE DATA	# 2690.0000 \$0.FT. XMRP # 1290.3000 !NCHES YHRP # 1290.3000 !NCHE'S ZMRP # .0100	RUN NG	×	123	271.	.038	191.	661	116		.203	R.W. K.	,	C C C C C C C C C C C C C C C C C C C	ORG DOF	000:004	DIT:001	の作的、このは	OE 1:00%	091,007	400.540	RUN NO.	;	009 000	000:000	800 570	800.570	067,008	800.630	

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		2	ATAC POSICO CAA							PAGE	<b>5</b> 5
DATE 02 AUG 75	AUG 75	) (	1413	1413,EXTERNAL TANKITIO) SEPARATING FROM ORB. 09	NAK (T10) SEP.	ARATING FRO	H ORB. 09		(R1J088)	( 31 JUL	. 27
				<u>!</u>				<b>u</b> .	PARAMETRIC DATA	DATA	
	KEY EMENCE UNIA	<u>د</u>							7	PIOTAL . 13	110.000
SACF . LREF . BREF .	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES	XMRP YMRP ZMRP	0000.00+	089,5000 IN, XO .0000 IN, YO 400.0000 IN, ZO				ALPHA - DALPHA - ELEVIR -	000.01		000.
	•	<b>3</b> 8	237, 0	RN/L •	6.59						
				ā	3	ð	Š	85	۲		
	X 1200.800	800	179	. 15528	02273	-, 30275	00025	00068	42680.		
	1200.800	900	59.679	.06810	-,03283	00203	00027	.0002	.08136		
	1200 . 800	200 200 200 200 200 200 200 200 200 200	25.9.400	-, 1422B	-,01560	00201	92000	.00026	44480.		
	1200.700	700	399.520	04288	- 01536	00201	7.00027	.00026	.08481		
	1200.700	700 800	599.260 800.260	04207	-,01565	00202	00027	.00025	64790.		
	1200.800		1000.100	04198	01563	00203	00027	. 000≥6	17 <b>5</b> 80 .		
			[14]	IAI3,EXTERNAL TANK(TIO)SEPARATING FROM ORB. 09	ANK(T10)SEP	ARATING FR	M 088. 09		(81,089)	99) (31 JUL 75	<b>15</b>
	ATAU POSSOCIACE DATA	4							PARAMETRIC DATA	C DATA	
	MET ENEMEE OF	5							2	PTOTAL .	110.000
SREF LREF BREF SCALE	2690.3000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	24.55 7.450 7.450 7.450	007	1089.6000 IN. XO .0000 IN. YO 400.0000 IN. ZO				MACH ALPHA • DAUPHA • ELEVTR •	000.01-	<u>.</u>	000. 000.
		PUN NO.	. 238/ 0	FN/L	6.57						
	>		^	8	כרש	Շ	CYN	<b>8</b> 5	۲۵		
	•	8	239.870	61941	00658	00+02	92000	£1000	51160		
	•	103 66:	399.580	10639	02914	00225	00022	00000	.08494		
	. •		800.130	04181	01559	00199	00027	.00026	- 4480 ·		
		. 097	999.330	04172	.01561	00000	00027	.00026	. 08459		
			γ. Ni	67140.1	0000						
		2 2 2	0. 239/ 0	i i	Ò.						
	×		2	8	CLH	5	N.S	CBC	C.A.		
	00±	400.440	300.050	. 14505	44450	00276	00031	01000	יייייייייייייייייייייייייייייייייייייי		
	007	400.390	399.430	05201.	03118	00277	-,0001B	.00036	. 08261		
	003	400 410	600.350 Brn 050	16050	01562	00204	7500C.	.00026	.08457		
	007	400.340	1000.100	-, 04178	01552	00208	00027	92000.	.08457		
	003	400.430	1300.300	04175	01563	00205	00027	.00026	.08461		

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IA13 SOURCE DATA

DATE OF AUG 75

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(31 JUL 75)

CA .10600 .08018 .07988

C9L - 00095 - 00000 - 00025

CYN -.00012 -.00016 -.00024 -.00025

CY -.00401 -.00235 -.00202

CLM -.04666 -.04381 -.01520 -.01556

CN .39889 .06138 -.04288 -.04173

2 800.830 800.550 999.640 1298.300

x -.643 -.043 -.877

6.57

RUN NO. 2427 0

( 31 JUL 75

(RTJ090)

# 1A13,EXTERNAL TANK(T10)SEPARATING FROM 098. 09

	000. 000. 023.011					
: DATA	PTOTAL = BETA : DBETA = AILRON =					
PARAMETRIC DATA	4.530 000 -20.000 10.000		CA . 080 <i>B2</i> . 081 <i>52</i> . 004 <i>55</i>		. 08467 . 08467 . 08463	CA . 07736 . 08460 . 08461
	MACH ALPHA - DALPHA - ELEVIR - Y		CBL -,00028 ,00025 ,00025		.80 .000. .000. .4000.	CB. .00024 .00025 .00024
			CYN 00008 00022 0002		CYN 00021 00021 00021	CYN 00021 00021 00020
			.00277 00213 00209 00211		CY 00210 00211 00213	CY 00204 00208 00209
		6.57	CLM 06472 01534 01564	6.57	-,01567 -,01567 -,01567 -,01567	6.57 CLM 01502 01565 01557
	0000 1N. XO .0000 1N. XO .0000 1N. XO .0000 1N. XO .0000 1N. XO	RN/L	. 15761 -, 04264 -, 04159 -, 04158	RN/L .	CN 03914 04146 04150 04151	RN/L = CN 04338 04155 04153 04153 04153
		RUN NO. 243/ 0	2 600,700 793,920 1000,200 1300,300	RUN NO. 244/ 0	2 601,210 800,220 1000,000 1299,800	RM NO. 2457 0  2  8u0 600.720 300 799.130 700 999.560
REFERENCE DATA	O.F.T. XHRP NCHES YHRP NCHES ZHRP	N N	X +01.500 +00.160 +00.+30	\$ \$	X 800.970 800.470 800.570 800.490	RUN N X 1200.800 1200.300 1200.700
REFERE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100					
	SAEF - SCALE - SCALE					

14

REFERENCE DATA

(RTJ091) ( 31 JUL 75 )

PARAMETRIC DATA

000°.	200	000	0.00.0	
DBETA -				
.000 10.000 200.000			4.530	
DALPHA = ELEVTR = Y		470	MACH	
0	•		_	
300 IN. 2C	000 IN. TC		N OOC	
400.00			יין ספס ני	
2.486 2.486	o.			
1290.3000 INCHES	1290.3000 INCHES	C030 . 0000 . 0000	13 03 0000 0000	
BREF .	LREF	r N		
1290.3000	<ul> <li>1290.3000 INCHES YMRP =</li> </ul>	. reso. none ser	13 03 0000 0000	

చ	, <b>0856</b> 4	19860.	. 08013	0.690	. 08952	9∪£80°	95480.	. 08451		చ	60680	.08693	.08870	86680	. 08569	. 08226	£4480.	.08461		క	.08582	90680	10680.	.08420	.08381	.08460	. 08456	0845
සි	.00020	0001B	₹₹200	-,00282	.00173	.00055	.00025	<b>₹</b> 2000.		<b>6</b> 5	00121	00237	00187	06£00.	07500.	<b>→</b> 2000.	₹2000°	₹2000 ·		සි	S1000.	. 0012 <b>2</b>	.00900	.00378	.000≥5	₩500 <b>0</b> .	45070	4000
CYN	00075	. 00335	62400.	.00051	00135	00029	00021	1-0000-		CYN	.00802	.00366	0001≥	00162	00108	00019	00020	<b>6</b> 1000		Z C	72100.	00128	00178	00087	- 000050	€1500	090020	91000
5	90882	. 00028	.00817	96500.	.00558	00196	00213	00222		Շ	.01187	. 00822	. 00B15	.00578	₹2000.	₹200	00223	00224		ć	11510.	51010.	: 1400 .	00052	00250	00221	+5600	66600
מרא	01685	01216	00369	01077	02052	S7710	01566	01565	6.58	CL#	00339	00656	01175	02270	02621	- 91578	01563	01566	6.58	C.	00838	01671	17750	02+94	01558	01565	01565	0.665
3	03776	02288	00653	41150.	. 02812	03552	04166	04163	RN/L	3	.00297	-01452	. 02661	.03426	.00753	04219	4414G'-	04152	RN/L .	8	.04277	.03673	.04681	0067 <b>2</b>	04160	37140 -	04139	ָרָרָי בְּרָרָי
2	7.032	100.250	199.590	302.730	399.870	599.630	799.710	1000.300	RUN NO. 247/ 0	2	9.167	100.060	198.330	296.670	396.280	599.090	008.667	1300.100	RUM NO. 248/ 0	~	167.6	98.816	204.660	300.330	400.030	600.030	799.590	000 0001
×	.097	.075	. 116	. I.S	168	<u>6</u>	.260	. 205	2 2	×	400.350	¥00.350	400.390	400.330	400.270	400.410	400.420	064 004	X K	×	800.660	800.660	800.530	800,490	800.590	800.630	800.600	019 000

DATA	
SOURCE	
IAI3	

DATE DE AUG 75

(A) 3, EXTERNAL TANK (TIO) SEPARATING FROM ORB. 09

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1 31 JUL

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DATA	PTOTAL • BETA • DBETA •		
PARAMETRIC DATA	4.530 .000 .000 10.000		CA . 09282 . 04659 . 08243 . 08279 . 08450 . 08459
	HACH ALPHA DALPHA ELEVIR Y		CBL 01119 01103 00129 00025 000025 000025
			CYH 00288 00179 00043 00020 00020 00020
			CY
		8.58	CLM 02881 03465 02030 01541 0154 01564 01564
	0000 IN. XO. 0000 IN. XO. 0000 IN. XO. 400.0000 IN. ZO	- J/N2	CN . 1067£ . 05722 04725 0423 04141 04144
	1089	0 / <del>6</del> % .	200.001 006.009 007.992 005.992 008.993 008.993 008.993 008.009
ATA	XHRP XHRP ZHRP	3CN NO.	x 1200 .700 1200 .800 1200 .800 1200 .800 1200 .800 1200 .800 1200 .800
REFERENCE DATA	2690,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES .0100		0051 120051 120051 120051 120051
	SREF - LREF - BREF - SCALE •		

### REFERENCE DATA

• 1089.6000 IN. XO • .0000 IN. YO • 400.0000 IN. ZO × × × × × 2690,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES SREF = 2 LREF = 1 BREF = 1 SCALE •

.000

BETA • DBETA • ALRON •

4.530 .000 -10.000 10.000

HACH ALPHA DALPHA BELEVIR B

PTOTAL .

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(RTJ092) (31

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1A13, EXTERNAL TANK (TIO) SEPARATING FROM ORB.

PARAMETRIC DATA

### 6.57 **P** 1/88 36 ₹ 8

CYN .00259 -.00057 -.00128 -.00019 .02346 .01204 .00113 -.00218 -.00.221 -.01195 -.01819 -.02858 -.01568 -.01564 . 08975 . 08975 . 08146 - . 04132 - . 04131 2 300.020 399.610 602.040 800.040 999.300 1299.400 

CA 09383 09535 08546 08456 09449

CBL .00722 .00173 .00706 .00024

### 6.57 . . . . ż 9 3

CBC .00483 .00744 .00034 .00024 .00024 CYN - 00188 - 00213 - 00520 - 00518 - 00518 00710 - 00209 - 00219 - 0021 C4.10. -,02459 -,02945 -,01566 -,01568 -,01568 1044**0** 05762 -.03924 -.04163 -.04183 2007.0051 0007.0051 0007.0051 0007.0051 0007.0051 0007.0051 0+5 C+ CB+ C-+ OH5 OCH D1-1 OOH D3-1 OOH

C0978 09026 08349 08471 08478

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# 14:3,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09

### 000.0011 (RTJ092) (31 JUL 75 PTOTAL • BETA • DBETA • ALLRON • PARAMETRIC DATA 4.530 -10.000 10.000 200.000 MACH ALPHA - OALPHA - ELEVTR - Y • 1089.6000 IN. XO • .0000 IH. YO • .00.0000 IN. ZO 4445 2445 2445 SREF - 2690.0000 50.FT. X LREF - 1290.3000 INCHES Y BREF - 1290.3000 INCHES Z SCALE - .0100 REFERENCE DATA

ž	. <b>35</b> 0	BN/L .	6.97				
	~	3	S.	៦	E C	<b>3</b> 6	5
800	300.230	.07120	BE 40.	. 00450	0v195	2 × 10.	.00688
07.0	065.00+	00826	-, 02529	00069	-,00000	.00333	08261
018	800.090	04170	01567	00223	00018	₹2000	. 08466
910	799.730	04175	01568	00223	00018	₹2000·	. 08471
2	1000.100	04176	-,01568	-,00226	91000.	₹2000.	27.480
900.680	1299.800	04171	01566	00224	00018	₹0000	. 08462
PLN NO.	0. 253/ 0	PR/L	6.57				
	7	દ	į	Շ	č	<b>B</b>	3
900	299.870	03588	01803	00191	00023	8+000	₩£180°
200	399.840	04281	01534	00222	00017	₹2000	. 08154
200	599.800	04187	01567	00224	coo!B	₹2000.	.09466
1200.800	799.990	62140	01568	00228	00018	₹2000.	. 08462
200.800	1000.200	04175	01558	00231	0001B	₹000.	09466
200.800	1299.600	96178	01567	00227	00018	₹2000.	99480

10H 0RB, 09 (RTJ093) (31 JUL 75 )	PARAMETRIC DATA	MACH
IAI3, EXTERNAL TANKITIO) SEPARATING FROM ORB. 09	REFERENCE DATA	SPEEF = 2690,0000 SQ.FT. XHPP = 1089,6000 IN. XO LPEEF = 1290,3000 INCHES YHPP = 100,0000 IN. ZO SCALE = .0100

• • • 8						
DBE TA A I L'RON						
-20.000 10.000 200.000		ర	10156	60180	.07938	08460
DALPHA - ELEVTR - Y		<b>8</b> 5	. 02018	.00830	₩2000.	₩2000.
		Z.S	10000'-	<b>-</b> .0017 <b>≥</b>	-, C001B	00018
		Շ	02855	.00175	00219	10229
	75.9	S.	04634	-, 0402	01518	01565
400.0000 IN. ZO	PRVL .	3	30576	.04571	0430B	-,04169
•	€ ( )	~	600.180	900.190	939.800	238 330
de la company	PCN NO.		8	22.7	. 021	928
INCLE S	_	×	•	7	•	•
90.3000 INCHES						

54

PASE 81

A.R. 75 >		000.				
(RTJ093) (31 J.R. 75	DATA	PTOTAL = BETA = DBETA = ALRON =				
(81,009	PARAMETRIC DATA	4.530 -20.000 10.000 200.000		CA . 08258 . 08078 . 08476	CA . 08321 . 08459 . 08453	CA . 07986 . 08458 . 08458
		MACH A ALPHA BOALPHA BELEVIR		CBL .01763 .00025 .00025	. 00025 . 00025 . 00025 . 00025	#2000.
F OPB. 09				CYN 00321 00018 00018	CYN 00018 00018 00018	CYN 00016 00017 00017
1413.EXTERNAL TANKITIO)SEPARATIN) FROM OPB. 09				. 00544 00527 00527	CY 00220 00223 00226	CY 00227 00230 00233
ANK(T10)SEP			6.57	сця 05692 01528 01568	6.57 CLM 01547 01568 01568	6.57 CLM 01520 0156 01565
EXTERNAL T		1039.5000 IN. XO	RN/L	CN . 12635 04291 04183	FRVL = CN 0422 04151 04172	CN CN 04307 04178 04179
[413		000	. 255/ 0	2 600.640 799.940 999.910 1360.400	2 2 601.300 800.070 999.990	RUN NO. 2577 0 2 2 900 600.790 300 798.800 700 999.710 710 1299.800
	REFERENCE DATA	I.FT. XHRP CHES YHRP ICHES ZHRP	PCN NO.	× 401.110 400.180 400.390	RUN NO. X 800.890 E 800.410 E 800.520	RUN ND X 1200.900 1200.300 1200.700
	REFEREN	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES				
		SPEF - S LPEF - 1 BPREF - 1 SCALE -				

(RTJ091) (31 JUL 75)

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	REFER	REFERENCE DATA	م							PARAMETRIC DATA	DATA		
. 34E	2690.0000 SQ.F	50.FT.		1089.6000	0X .N1 0009.				MACH .	4.530	PTOTAL . BETA .	000'011	
BAEF - SCALE - SCALE	1290.3000 INCHE 1290.3000 INCHE	NCHE'S		0.00	400.0000 IN. ZO				DALPHA = ELEVTR = Y	.000 200.000 200.000	UBETA	000	
		æ	75 76	336, 0	RN/L	<b>6</b> .60							
		×		2	8	<b>.</b>	Շ	CAN	<b>5</b>	<b>5</b>			
			309	7.208	09870	00335	00899	60000	00180	.10360			
		SE0.		100.340	08699	74100.	.00069	.00373	. 0007 <del>4</del>	11314			
		.083		199.710	07529	.01155	.00820	.00460	00128	E6011.			
		₹.		302.780	05266	.00567	. 00620	26000	- 001E	. 11693			
		016		399.780	05122	00253	.00563	*5000 ·-	5 5000 ·	מומוו.			
		911.		599.980	-, 10912	00124	00198	61000	00020	10889			
		(C) = 1	-	1000.400	8/6/11 - 18/6/11 -	.00038	00217	11000.	1,000	20601.			
		Œ	75 16	0 /652	* 7/N2	6.60							
		>		2	N.	¥ ਹ	Շ	C	සි	5			
		000 320	05	690.6	06236	.01115	.01083	.01026	.00108	11034			
		400.340		100.090	05720	09600	.00788	.00483	00073	11601.			
		¥00.3		199.260	+12+0	.00487	₩9800.	9,000.	£0000	.11187			
		¥00.3		296.720	04492	00462	.00566	00104	.00427	16111.			
		400.340		396.220	07537	00709	00032	00024	. 00%22	.10795			
		¥.00\$		598.990	11377	.00038	-,00222	01000.	69000	. 10839			
		₹00 ×		799.730	11372	.00033	-,00221	01000.	65000.	.10874			
		¥.004	_	000.0001	1136	.00032	00221	60000.	69000	10864			
		Œ.	8. 80.	>20	PN/L .	6.60							
		×		~	ક	r S	ζ	CYN	95	Š			
		900 280	90	9.890	02759	.00770	- S :0 :	.002-20	. 00222	10686			
		800.490	90	99.784	03831	₹2000·	.01032	-,00056	.00263	.11082			
		800.6		204.740	03480	+6800′-	.00405	00110	9,800.	16011.			
		800.850		300.440	09030	00558	16000'-	0001 <i>2</i>	10200.	.10707			
		₩.008		¥00.030	11367	.00033	00215	11000.	0.00070	.10913			
		8.008		599,990	-, 11373	€8000.	00217	11000.	.000E9	.10869			
		900.560		799.550	11364	.00032	-, 00219	01000	.00069	.10869			
		8.008		1000.0001	11362	.00032	00218	01000.	69000.	. 10866			

PARAMETRIC DATA  HACH	DATE OZ AUO 75 IA	IA13 SOUPCE DATA	DATA 1413,EXTERNAL TAMK (TIS) SEPARATING FROM ONB. 09	Take (110) 9E/	PARATING FRE	60 .88 .03		(RTJ094)	PAGE (**	DE 83
National State   1.000-0.00   N. 20	REFERENCE DATA							PARAMETRIC	DATA	
Name   Name	SQ FT. INCHES INCHES		<u>z z z</u>					600.002 000.004 000.005		000.01
1200   90   12   25   CM	S			6.60						
1200 800   12.359   .0.2802   .0.10139   .0.10139   .11170   .11170   .1120   .0.001   .0.0	×	7	ž	<b>.</b>	Շ	₹	<b>8</b> 5	<b>ర</b>		
1200.900   99.732   -10.4392   -10.1404   -10.0079   -100771   -100771   -100771   -100771   -100771   -100771   -100771   -100772   -100771   -100771   -100771   -100771   -100771   -100771   -100771   -100772   -100772   -100772   -100772   -100772   -100772   -100772   -100772   -100772   -100772   -100772   -100677   -100772   -100772   -100677   -100772   -100677   -100772   -100677   -100772   -100677   -100772   -100677   -100772   -100677   -100772   -100677   -100772   -100677   -100772   -100677   -	1200.800	12.529	.02802	01078	.01139	00135	.01193	.11170		
1200   200   299   590   -11472   0.0055   0.00164   0.0017   0.10675   0.0017   0	1200.900		- 0.2992	+0+10	. 00269	00070	.00867	16201.		
1200   500	1200.730		10425	₩8200	00162	.00000	01100	.10675		
1200 800 399.470 -11376   .00023 -100219   .00015   .10051   .10	1200.800		11432	.00055	30226	. 00015	<b>5</b> 4000.	.10616		
1200.700   599.370   -111371   .00032   -100217   .00015   .000073   .100667     1200.800   1000.000   -111367   .00031  00216   .00015   .00073   .100667     1200.800   1000.000   -111367   .00031  00216   .00015   .00073   .100667     1200.800   1000.000   -111367   .00031  00216   .00015   .00073   .100667     1200.800   1000.000   1N. XO	1200.800		11376	. 00033	£1200°-	<b>\$1000</b> .	5,000.	10851		
1200   900   120   -11136   -100212   -100215   -100015   -100073   -10865   -11200   -111367   -100216   -100015   -100073   -10866   -11200   -111367   -100216   -100216   -100073   -10866   -11200   -111367   -100216   -100216   -100073   -10866   -11000   -11136   -100216   -100216   -100073   -110866   -100073   -110866   -100073   -110866   -100073   -110866   -100073   -110866   -100073   -110866   -100073   -110866   -100073   -110866   -100073   -110866   -100073   -110866   -100073   -110866   -110866   -100073   -100073   -110866   -100073   -110866   -110867   -100267   -1002	1200.700		11371	.00032	00217	\$1000	.00073	. 10867		
FEMER DATA	006.0051		11368	SE 000.	00215	41000	.00073	. 10867		
### Fight From the From the Cross of the Cro	1200.800	-	11367	.00031	00216	.00015	.00073	. 1086 <b>6</b>		
SGLFT. X94P = 1089-6000 IN. X0  INCHES. Y14P = 1089-6000 IN. X0  INCHES. Y14P = 1089-6000 IN. X0  INCHES. Y14P = 1089-6000 IN. X0  INCHES. Y14P = 10000 IN. X0  INCHES. Y14P = 10000 IN. X0  INCHES. Y14P = 10000 IN. X0  INCHES. X14P = 1000 IN. X0  INCHES. X11P = 1000 IN.		2	A 13, EXTERNAL	TANK(T10)SE	PAELTING FR	OH OPB. 09		(RTJ0)	~	
NACH   1009   1000   1N   X0   X0   X0   X0   X0   X0   X0   X	REFERENCE DATA							PARANETRI	C DATA	
NCHES   YMPP   1000   IN YO   1   YO   1   YO   1   YO   1   YO   1   YO   1   YO   1   YO   1   YO   1   YO   1   YO   1   YO   1   YO   1   YO   1   YO   1   YO   1   YO   1   YO   1   YO   YO	13							4.530	PTOTAL -	110.000
NAMES   21469 = 400.0000   N. ZO	- Second							000	BETA =	.000
RLEVIR = -40.000 AILRON =   FLEVIR =   FLEVIR = -40.000 AILRON =   FLEVIR =   FLEVIR = -40.000 AILRON =   FLEVIR =   FLEVIR = -40.000 AILRON =   FLEVIR =   FLEVIR = -40.000 AILRON =   FLEVIR =   FLEV	INCHES		ž				DALPHA -	-10.000		.000
NO.         2827         CN         CLM         CY         CYN         CBL           300.060         .04474         .00488         .02335         .00343         .00787           390.550         .06623         .00114         .01178         .00034         .00787           399.550         .06628        00887        00637         .00213           602.110        6628        00054        00637         .00673           999.320        11385        00034        00619        00073           1259.500        11376        00034        00219        00073           1259.500        11376        00034        00219        00073           1259.500        11376        00034        00219        00073           1259.500        11376        00034        00219        00079           299.900         .01760        00316        00278        0013           299.900        11336        00316        00279        0013           299.900        11390        00355        00209        0011        00031           799.900        11390								-40.000		000
NO.         2827 O         FBV/L •         6.60           Z         CN         CLM         CY         CYN         CBL           390.060         .09474         .00488         .02335         .00787         .00787           390.550         .06623         .00114         .01178         .00034         .00787           602.110         - 6628         .00087         .00037         .00213           799.960         - 11385         .00054        00208         .00073           1259.370         - 11376         .00034        00219         .00073           1259.500         - 11376         .00033        00218         .00019         .00073           1259.500         - 11376         .00033        00218         .00010         .00068           NO. 2637 O        01781         .00334        00218         .00446         .00446           399.97 O        01781        00318        00234        00133         .00691           799.900        11336        00358        00208         .0011         .00073           1000.200        11336        00268        00133        00133        0013								<b>6</b> 00 . 000		
Z         CN         CLM         CY         CYN         CRM         CBL           390,060         .09474         .00488         .02335         .00343         .00787           399,550         .00623         .00114         .01178         .00037         .00213           602,110        06028        00687         .00037         .00213         .00213           799,960        11376         .00034        00210         .00013         .00073           1259,500        11376         .00033        00218         .00019         .00073           ND, 263,0        11376         .00033        00218         .00019         .00069           ND, 263,0        11376         .00033        00218         .00019         .00069           ND, 263,0        11336         .0033        00218         .00019         .00486           299,900         .91580        00336        00219         .0011         .00697           299,900         .91136        00336        00209         .0011         .00697           1000,200        11336        00236        00209        0013        00697           1000,200        1139	4		\$ Z	8.60						
390,060 0.94-74 0.00488 0.02335 0.00343 0.0797 0.0523 399,550 0.06523 0.00114 0.01178 0.00034 0.00213 0.00223 0.00220 0.00223 0.00223 0.00223 0.00223 0.00223 0.00223 0.00223 0.00223 0.00223 0.00223 0.00223 0.00223 0.00222 0.00222 0.00222 0.00221 0.00222 0.00222	×	7	ž	j	۲	C A	<b>e</b> 5	ర		
399.550 .00523 .00114 .01178 .00034 .00213 602.110 - 0602600897 .0008700037 .00590 799.96011425 .0005400210 .00015 .00073 .00590 1259.32011376 .0003300218 .00019 .00073 .00073 1259.50011376 .0003300218 .00019 .00073 .00089				.00488	. 02335	. 00343	.00787	. 11348		
602.110 - 0602800897 .0008700037 .00590 799.96011425 .0005400210 .00015 .00073 1259.50011376 .0003300218 .00019 .00073 1259.960 .0154000318 .0148600078 .00697 299.9700178100332 .00679 .00133 .00687 600.2001113600532 .00679 .00113 .00687 1000.20011360 .0003900208 .00011 .00080	. C.23			<b>41100</b> .	01178	.0003v	.00213	. 11359		
799.96011425 .0005400210 .00015 .00073   999.32011386 .0003400208 .00014 .00073   1259.50011376 .0003300218 .00010 .00059    ND. 2637 0 RW/L - 6.60   299.960 .0154000316 .0146600078 .00446   399.9700178100932 .0067900133 .00697   660.200113600932 .00679 .00113 .00697   1000.2001136 .0003900208 .0011 .00090   1000.20011360 .0003900208 .00011 .00090	. 22	_	- 0602 <b>8</b>	00887	<b>LB000</b> .	00037	.00590	. 10822		
999.32011376 .0003400208 .00014 .00073 1259.50011376 .0003300218 .00010 .00059 .00059 .00010 .00059 .00059 .00010 .00059 .0	161		11425	₩\$000	00210	£1000.	.00073	96901.		
1259,500 -111376 .0003300218 .00010 .00059  MD. 2637 G PW/L = 6.60  Z CM CLM CY CYM CBL 299.960 .0128000316 .0146600078 .00446 399.9700178100932 .0067900131 .00687 660.200111360093500208 .0011 .00080 799.90011390 .0003900208 .0011 .00091 1000.20011380 .0003900208 .00012 .00073	250			₩2000	00208	*1000·	£4000.	. 10897		
AD.         2637         G FW/L =         6.60           Z         CN         CLM         CY         CYN         CBL           299-980         .01240        00316         .01496        00078         .00446           399-970        01781        00932         .00679        00133         .00687           6C0.200        11136        00055        00208        0021         .00091         .00080           1000.200        11390         .00039        00209        00214         .00073           1000.200        11360        0036        00220        00012         .00071	[6]	_		.00033	00218	01000.	.00069	10801		
Z         CN         CLM         CY         CYN         CR           299.980         .911.80        00316         .014.86        00078         .00446           399.970        01781        00932         .00679        00133         .00697           600.200        11136        00055        00201         .00011         .00080           799.900        11390         .00039        00209         .00014         .00073           1000.200        11360         .00036        00220         .00012         .00071	Đ	263/	PW/L	6.60						
299.980 .0158000316 .0148600078 .00446 399.9700178100932 .0067900133 .00687 600.200111360005502211 .00011 .00080 799.90011390 .0003900208 .00014 .00073 1000.20011380 .0003800208	×	2	3	S.	ò	C.	g	ర		
399.9700178100932006790013300687 600.2001113600055002110001100080 799.90011390003900208001400073 1000.20011380003800220001200071	378.304			00316	98410	<b>-</b> ,0007 <b>8</b>	94400	.11105		
660.20011136000550211 .00011 .00080 799.90011390 .0003900208 .00014 .00073 1000.20011380 0003800220 .00012 .00071	380			00932	.00679	00133	. 00687	.11161		
799.90011390 .0003900208 .00014 .00073	100.550			00055	+.00 <b>≥</b> 11	11000	08000	1082		
1000.20011380 0003800520 00012 .00071	204.004			00039	00208	¥1000°	.00073	51601.		
	263.004			00036	00250	<b>≥1</b> 000.	.00071	<b>*</b> 0601.		

OF POUR QUALTY

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## 1413, EXTERNAL TANK (TID) SEPARATING FROM ORB. 09

1

(RTU395) (31 JUL 75 )

	000°C																
DATA	PT0TAL • 1 BETA • 08ETA • ALLRON •																
PIRAMETRIC DATA	4,530 ,000 -10,000 -40,000 200,000		5	10847	10659	10857	10696	10893	. 10908		₹	1050	91501	10862	. 10868	. 10862	. 10855
	MACH ALPHA DALPHA EELEVTR T		SB.	.01087	9~100	9,000.	.00075	.00075	57000.		평	51100	.00081	. 000B2	.00083	.00082	00000
			CAN	00109	00000	.00018	71000.	.00017	¥1000°		CYN	.000 <b>26</b>	.00027	.000g	. 000 <b>27</b>	.00026	. 00024
			Շ	00+00	00089	00202	00206	00209	00215		ბ	00173	00207	00205	00203	00209	00210
		6.60	5	01368	00537	. 00041	.00036	.00036	66,700.	6.60	ŗ	00217	.00052	.00030	.00032	.00030	.00030
	0000 IN. YO 0000 OC. VO 0000 OC. VO	RN/L .	8	665.0	09359	11390	11355	11365	11374	RN/L .	z	10675	-, 11443	11356	11359	11350	11346
	• • •	. 264/ 0	7	300.230	400.750	600.210	799,750	1000.000	1299.600	. 265/ 0	2	300.120	399.880	598.770	799.760	1000.100	1289.500
NCE DATA	SQ.FT. XHBP INCHES YHBP INCHES ZHBP	RUN NO.	×	800.680	800.730	800.740	900.590	800,670	900.750	\$ 8 8	×	1200.800	1200.700	1200.600	1200.700	1201.000	1200.700
BEF EPE	2590,0000,525 1290,3000,1 1290,3000,1																
	SREF LREF BREF SCALE																

# IA13, EXTERNAL TANK (TIDISEPARATING FROM ORB. 09

PARAMETRIC DATA

(31 AL 75

(RTJ096)

110.003	000	C09.	000.	
PTOTAL -	BETA .	08E)A •	AILRIA! -	
4.530	000	- <b>20</b> . 000	-40.000	250.000
•	•	•	•	•
MACH	ALPHA	DALPHA	ELEVTR	<b>&gt;</b>

- 1089.6000 IN. XO - 00000 IN. YO - 400.0000 IN. ZO

2690,0000 \$0.FT. 1290,3000 NCHES 1290,3000 INCHES

SCALE .

REFERENCE DATA

	CYN CBL
	CY .02912
G. 60	CLM 02370
- 1/ <b>&amp;</b>	CN 21035
0. 266/ 0	Z 600.330
2 Z	× .

CA .11979 .16272 .16290 .00132 .00132 .00081 -.0001**9** .00027 .000056 -.01506 .00075 .00030 -.05768 -.11448 -.11338 800,460 999,470 1298,400 . 193 . 904

## IAI3 SOURCE DATA

# 1A13,EXTERNAL TANK (TIO) SEPARATING FROM ORB. 09

(RTJ096) (31 JUL 75 )

	000.000.000.000
	PT077 . • BETA • 08ET4 •
	4.530 .000 -20.000 -40.000
	HACH - 4.530 ALPHA000 DALPHA20.000 ELEVTR40.000 Y
	0 0 0 X X 0
	<u> </u>
	0000 IN. XO 0000 IN. YO 0000 IN. YO 0000 IN. YO
<b>*</b>	2447 2447 2447
REFERENCE DATA	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 IHCHES
	SPEF . LREF . BREF . SCALE .

### RN/L . 6.60 RUN NO. 267/ 0

3	•	2	Ē	Շ	CYN	96	٧
*	•	5			00100	20.0	0360
401.110	600.500	.00602	02671	C+00 .	00100	F U O 1 O .	
0.00	197 460	-11482	00000	00222	.00018	.00073	.10304
300.00	000 000	7	35 000	-,00221	81000.	.00073	. 10897
400.00	D. D. D. D.	1			0.000	100:	1000
400.510	1300.300	-,11360	*5 GGD .	Uuqee	61000.		
ě	o de la companya de l		6.60				
5			) }				
;	•	3	1	č	Z.S	CBL CBL	Ą
×	7	5				0000	40818
800.940	601.360	<del>                                      </del>	29000	00215	F1000 .	u , 000 .	100
900	B00.020	11328	<b>→£000</b>	00217	.003€0	.00073	. 10872
000 .000	000	11134	55000	00221	61000	.00073	10886
900.390	000.000		1	1 1 1		***************************************	0000
800.450	1299.900	1.1341	. 90035	00222	. 00021	c/ 000 .	06901.
3	NO. 269/ 0	PN/L	<b>g</b> .60				
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∢	•	;		11000	0000	2,000	10800
1201.000	600.750	55	1.000	*: BOO			
000 0001	798.780	11355	50035	•.00223	<b>2</b> 2000 .	. 00075	<b>1089</b>
300 700	0.6	- 11368	SE000.	00217	.00022	. 00075	10897
20.000				61600	10000	87,000	1080
1200.600	1299.700	11350	. 000 se	- 1000 -	10000	1	

15 209.11 (31 JUL 75 )

n'h

14:3,EXTERNAL TANKIT101SEPARATING FROM ORB. 09

	500° 500° 500°
DATA	PTOTAL BETA BONETA BALLRON B
PARAMETRIC DATA	000 000 000 000 000
	MACH ALPHA DALPHA ELEVTR Y
	089.6000 IN. XO .0000 IN. YO .000.0000 IN. ZO
<	884.2 844.2 845.
REFERENCE DATA	2690,0000 SQ.FT. 1290,3000 INCHES 1280,3000 INCHES

CN CN CN CN CN CN CN CN CN CN CN CN CN C
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PAGE 87 (A-J097) (31 JUL 75 )	PARAMETRIC DATA	MACH - 4.530 PT0TAL = 110.000 ALPHA000 BETA000 DALPHA000 DBETA000 ELEVTR40.000 AILRON000 Y		CBL CA .00006 .11021 .00070 .10573 .00069 .10657 .00069 .10801 .00069 .10836 .00069 .10836	(RTJ093) (31 JUL 75 )	PARAMETRIC DATA	MACH - 4.530 PTOTAL - 110.000 ALPHA000 BETA000 DALPHA10.000 DBETA000 ELEVTR40.000 A1LRON630 Y
DATA 1A13.EXTERNAL TANK(T10)SEPARATING FROM 0RB. 09			6.59	CCM CY CYN0030500282 .00033011591268 .000240056200234 .00022 .0004600230 .00019 .0002600230 .00019 .0002700232 .00019	IAI3,EATERNAL TANKITIO)SEPARATING FROM ORB. 09		
DATE 02 AUG 75 IA13 SOURCE DATA	DECEMBER DATA	SHEF = 269C.0000 SO.FT. XHRP = 1089.5000 IN. XO LPET = 1290.3000 INCHES ZHRP = 400.0000 IN. ZO SCALE = .0100	RUN NO. 2:3/ 0 RN/L . 6.	x 2 CN 1200.800711 .07443 1200.700 99.62802016 1200.800 299.34011281 1200.700 399.50011281 1200.700 599.32011281 1200.700 600.17011231 1200.900 600.17011231	IAI3,E TENAL TAN	REFERENCE DATA	SAEF - 2690.0000 SQ.FT. XMPP - 1089.6000 IN. XO LPEF - 1290.3000 INCHES YMPP0000 IP. YO BREF - 1290.3000 INCHES ZMPP - 400.0000 IN. ZO SCALE0100

	CA .11054 5 .11054 10711 8 .10651 8 .10823	_	7.801. 0 7.801. 0
	. 000%0 . 000%4 . 000%4 . 000%4 . 00068 . 00068	.000€	00000. 07000. 07000.
	. 00031 . 00021 . 00021 . 00017 . 00017	CYN. . 00013	00000 00000 00000 00000
	CY 00385 00304 00254 00237 00237	CY 00244	00236 00236 00234 00233
64.8	01049 .01054 .00858 .00054 .00026	6.59 CLM 00500	1100 17000 75000. 85000.
RN/L	CN .07542 .03005 15883 11270 11286	FN/L • CN CN . 06276	.01899 10683 11230 11231
60. 27% 0	299.0+0 399.650 602.400 800.130 999.270	<b>NO. 275</b> / 0	399,540 600,410 799,820 1000,100
PCN NO.	x .150 028 .176 .272 .106		400,500 400,470 400,260 400,440

n equ

(REJ093) (31 JUL 75 )

# 1A13, EXTERNAL TANK (TID) SEPARATING FROM ORB. 09

PARAMETRIC DATA	0.000   PTOTAL   110.000     0.000   BETA   0.000     0.000   DBETA   0.000     0.000   ATLROM   0.000     0.000   ATLROM   0.000		CA 10559 10533 10737 10799 10799		.10823	(RTJ099) (31 JUL 75 )	PARAMETRIC DATA	4.530 PT07AL = 110.000 .000 BETA : .000 -20.000 CBTA = .000 -40.000 A1LFCA = .000	
PARAME	HACH - 4,530 DALPHA - 10 000 ELEVTR40,000		CBL CA .00045 .107 .00078 .107 .00072 .107 .00072 .107		CBC	J	PARAH	HACH - 4.530 ALPHA000 DALPHA20.000 ELEVIR40.000 Y	
			CY CYN00264 .0002400240 .0003100225 .0002500228 .0002100231 .00019		CY CYN00227 .0C'3000228 .0003100223 .0002900222 .00029	ITING FROM ORB. 09			
	0 0 0 <b>0 0</b>	6.59	01406 00722 .00023 .00023	• 6.59		IAIZ,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09		0 × × 0 × × 0 × × × 0 × × × × × × × × ×	• 6.60
	.0000 IN.	). 276/ 0 RN/L -	2 CN 300.33000800 401.08008402 600.34011204 799.85011210 1000.20011211	0. 277/ 0 RN/L	2 300.03009569 400.08011303 598.90011216 799.73011205 1000.10011205	IA12,EXTER		P = 1089.6000 IN.	10. 278/ 0 RN/L
ATAC SOCIEDANS DATA	SREF = 2890.0000 5.1.FT. XHRP LREF = 1290.3000 INCHES YHRP BREF = 1290.3000 INCHES ZHRP SCALE = .0100	RUN NO.	900.710 800.800 800.680 800.680 800.680 800.680	RUN NO.	x 1200.900 1200.700 1200.600 1200.800 1200.700		REFERENCE DATA	SREF • 2690.0000 SQ.FT. XMRN LREF • 1290.3000 INCHES YMRN BREF • 1290.3000 INCHES ZHRP SCALE • .0100	RUN NO.

CA .12060 .10130 .10268

CBL -.00016 .00060 .00078

CYN .00032 .00039 .00029

CY ..00348 -.00249 -.00223

-,02133 -,02004 -,00063

.29461 -.03603 -.11278

2 800.770 800.650 999.640 1298.500

717 -,717 -,222 -,019

1

(RTJ099) (31 JUL 75 )	C DATA	PTOTAL = 110.000 BCTA = .000 DBETA = .000 A1LRON = .000
(ATA	PARAMETRIC DATA	4.530 .000 -20.000 -40.000
		MACH ALPHA DALPHA DALPHA E
1A13,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09		. 1089.6000 IN. XO 0000 IN. YO 450.0000 IN. ZO
	_<	XMRP YMRP ZMRP
	REFERENCE DATA	2690,000P 50.FT. 1290,3000 INCHES 1290,3000 INCHES
		SPEF LREF BREF SCALE

2	6.0	•	}				
	2	Š	er.	ځ	CYN	ca.	5
	600.760	87±40.	03618	00273	.00041	09000	17760.
	000.767	11245	95000	00232	.00030	8.000.	.10385
	999.750	11145	.00021	00226	.00029	.00078	.10797
400.390	1300.400	11148	.00022	00227	.00029	.0007	. 10808
PC NO.	0. 280/ 0	RN/L =	6.60				
	7	ક	CL#	Շ	CYN	æ	3
_	601.340	10936	69000	00229	.00029	.00076	.10334
_	800.150	11153	.00028	00225	.00025	.00075	17701.
300.640	1000.300	11143	. 00023	00226	.00027	9,000.	.10816
800.510	1299.700	11152	.00023	00228	.00027	9,000.	10818
₹ 2	NO. 281/ 0	RN/L	6.60				
	2	ક	C.	S	CYN	95	5
1200.800	600.750	11240	09000	00232	.00028	.00075	. 10382
_	796.880	11162	.€000°.	00232	<b>60003.</b>	2,000.	10861
200.500	989.580	11163	¥5000.	00233	.000ž <b>6</b>	.00075	.10820
200.600	1299.700	11156	₩2000.	00235	.00025	₩2000.	. 16821

4.530 PTOTAL • 110.036
.000 BETA • .030
5.000 DBETA • .030
.000 ALFRON • .030 CRUTELL CSI ALL 75 J PIRAMETRIC DATA HACH -ALPHA -DALPHA -ELEVIR -Y IAI3, EXTERNAL TANKITIOS SEPARATING FROM ORB. 09 TX NI 0000 10. XT XHRP ... 0000 1N. YT XHRP ... 0000 1N. YT XHRP ... 400.0000 1N. ZT SPEF = 2690.0000 SQ.FT. X LREF = 1290.3000 INCHES Y BREF = 1290.3000 INCHES Z SCALE = .0100 REFERENCE DATA

	2	S	r)	Շ	N C	. <b>38</b> .	5
	-3.008	.04455	.02191	¥6000.	0002 <b>6</b>	\$000C.	16685
	100.850	9+1+0	-02+B+	£1000.	00035	€0000.	<b>26</b> 680 '
	199,270	.05469	.02395	£0000.	00027	.00005	. 08968
	200,500	05013	€9220'	00006	-,00019	.00003	77680.
	40%.700	.05553	.02194	-,00005	00022	<b>*0000</b> .	18680
	600.870	.05567	.02163	₹2000	-,00025	<b>40000</b> .	<b>6</b> +680.
	RUN NO. 2/ 0	RN/L	8.59				
	2	Š	S.	Շ	CXN	SB.	5
	-1.597	.04422	01310	.0001	61000.	.00005	. 39018
	101.140	.03630	77 MED.	00004	1 4000	9000v	5680.
	198.800	1049P4	51550.	10000	00031	90000	08925
	298.910	75450.	. 02541	410CO'-	000 <b>5-2</b>	. 00005	08361
	396.120	. 05542	.02133	*1000·-	00019	50000.	<b>₹8</b> 680°
	599.320	.05358	.02132	.0000	00021	.00005	.08933
0	RUN NO. 3/ 0	RN/L	8.59				
	2	Z	CLH	გ	CYN	æ	ర
	- 369	. 027 <u>9</u> 4	00173	.00185	.00057	<b>20</b> 060.	.09765
	100.270	94520.	. 02291	.00085	£1000.	+00000.	.08887
	203.180	.04433	.02530	00008	00017	<b>\$</b> 0000.	16880
	299.960	.04850	.02350	S1000.	00010	.00000	. 08998
	399.870	05382	.02502	01000.	00003	. 00005	. 08969
	599.880	.05327	57150.	04000.	00003	€0000.	. 08955
_	RUN NO. 4/ 0	RN/L -	6.59				
	2	Š	CLA	Ç	CYN	<b>8</b> 5	ర
	981.	02681	99400	. 60036	.00003	.00005	.10328
	99.666	.02298	¥110.	.00039	.00022	.00005	96960
	200.160	04315	.01868	.0000.	10000.	₹0000.	08947
	299.390	B1640.	.02169	00008	00015	50000	08955
	399.400	0.4815	.02312	\$1000	- 0000B	.0000	08980

note

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PAGE 91

IAI3 SOURCE DATA
ž.
9
20
OATE

SREF = 2690,0000 SQ.FT. LREF = 1290,3000 INCHES BREF = 1290,3000 INCHES SCALE = .0100

(RTJ102) (31 JUL 75 )	PARAMETRIC DATA	MACH - 4.530 PTC - 110.000 ALPHA000 BE: .000 DALPHA000 ALPON000 Y000
175 175 175 176 1775 1775 1775 1775 1775	REFERENCE DATA	590.0000 50.FT, XMEP = 1403.0000 IN. XT 590.3000 INCHES YMEP = .0000 IN. YT 590.3000 INCHES ZHEP = 400.0000 IN. ZT .0100

CA . 08946 . 08759 . 08759 . 08601 . 08616 . 08581	CA .08773 .08936 .08545 .08674 .08671 .08621	CA .09981 .08882 .08882 .08746 .09599 .06582
40000.	780 500000 700000 700000 700000 700000 700000	40000.
00027 00024 00038 00026 00027 00031	. 00020 . 00020 . 00030 . 00013 . 00013	
.00042 .00040 .00012 .00022 .00039 .00034		. 00280 . 00280 . 00031 . 00031 . 00016
	CLH0177000361 .00584 .0027400016	CLM 04187 04187 00366 00003 000988 000988 000988 000988 0008
CN - 01709 - 01503 - 01503 - 0156 - 00126 - 00062 - 00223 - 00223 - 00709	CN 00968 01884 02274 00575 00351 00215	CN - 04194 02743 02767 01003 00019 00019 000171
2 2.930 100.670 197.930 301.710 399.860 599.840 799.430	2 -1 100 100 299 399 399 799	7/ 0 2 1.704 99.966 200.090 300.950 400.080 599.990
x 940 1024 - 1026 -	X X 400.180 400.260 400.360 400.360 400.300 400.300 400.410	RGN NO. 460 800.470 800.440 800.440 800.440 800.440 800.440 800.440 800.440

ORIGINAL PACE IS OF POOR QUALITY

IA13, EXTERNAL TANK (TIO) SEPARATING FROM ORB. 09

(RTJT 2) (31 JUL 75 )

IC DATA	PTOTAL = 110.000 BETA = .000 DBETA = .000 A1LRON = .000	
PARAMETRIC DATA	MACH - 4,530 ALPHA - 500 DALPHA - 500 ELEVTR - 500	. 000 . ★
	~ ~ ~ w	
	• 1403.0000 IN. XT • .0000 IN. YT • +00.0000 IN. ZT	
	* 48442 * XHSP	
REFERENCE DATA	2690.0000 50.FT. X 1290.3000 INCHES Y 1290.3000 INCHES Z .0100	

SREF . LREF . BREF .

## RN/L = 5.61 0 /8 PGN NO.

	_							
C,	.:076	92.60	08885	. 08945	.08736	.08634	108654	. 08518
SBC	£0000°	±0000°	.00009	40000°	₹0000.	<b>+0000</b> .	+0000	40000°
CYN	-, 00054	.00013	.00017	01000.	<b>\$0000</b> .	.00000	+,000·-	00017
Շ	. 00202	14100.	. 00062	94000.	¥1000°	. 00025	00019	₩£000.
5	03~82	01681	03550	00226	00037	\$5000·	00097	00194
ક	04925	03681	01525	01069	00911	00319	00417	0038⁴
2	٠. يعرف	99.731	200.050	299.320	399.500	599.310	800.260	1000.000
×	200.800	1200.700	200.700	1200.700	200.800	200.800	200.F.J	200.800

# IA13, EXTERNAL TANK (TIO) SEPARATING FROM ORB. 09

(RTJ103) (31 JUL 75 )

ı.	PT07AL - !10.000 BETA000 006TA000 A1UROM000	
PARAMETRIC DATA	000	200 000
	MACH ALPIA - OALPHA - ELEVTR -	`
	** 21	
	XMSP = 1403.0000 IN, XT YMSP = .0000 IN, YT ZMSP = .400.0000 IN, ZT	
	27475 - 27475	
REFERENCE DATA	2890.6000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100	
	SAEF . LREF . BRREF . SCALE .	

### RN/L . 6.81 12, 0 PUN NO.

ర	.08951	.08763	. 08652	. 08579	.08607	.08610	.08555	. 08683
85	₩0000	<b>★0000</b> .	₩00000.	₩0000.	. 00005	.00005	<b>\$</b> 0000.	.0000
Š	00112	.00081	. 30189	₩5000.	90000	00016	00013	0002 <b>9</b>
5	00875	00802	00307	01100.	£0100'	+5000·	.00066	.00022
נר	₩6000	.00135	.00367	00048	<b>*0000</b> .	00121	000 <b>+6</b>	00057
8	13/10	01628	00987	6+000	€200ŋ.	00244	00199	00305
7	好.	103.180	199.750	300.210	397.220	600.110	799.940	1000.0001
×	003	640.	200	510.	571.	. 183	. 137	.213

į

n, E

1A13,EXTERNAL TANK(TIO)SEPARATING FROM ORB. 09

(RTJ103) (31 JUL 75 )

	000.011																															
DATA	PTOTAL - BETA - DBETA -																															
PARAMETRIC DATA	4.530 .000 .000 .000		CA	09880	. 08569	61980.	. 09642	.08615	.08577	. 08664		<b>5</b>	21160	.08768	.08778	1420	91780	60500	2500	61980.	90CB0 .		ర	. 10£23	1+:560	.0879	.0882⁴	.08729	64980	0.000	. 08521	! !
	MACH ALPHA DALPHA ELEVTR Y		<b>9</b>	<b>*</b> 0000	*0000°	+0000 ·	¥0000°	50000.	*0000°	. 00005		<b>8</b> 5	<b>30000</b>	10000	.00003	*0000	10000	0000	50000	*0000·	<b>\$</b> 0000.		ਲ	£0000°.	. 00005	<b>↑0000</b> .	<b>\$0000</b>	10000	10000		50000	) ) )
			CYN	00426	55000 -	.00075	60000	.0000	.00013	00003		CYN	01026	00200	¥6000 -	W1000		18000.	02000.	61000.	₹000.		Z.	00678	07450-	00503	78030 -	1000	65000	25000.	15000.	
			Շ	00741	-,00767	00186	0,000	.00083	16000.	15000.		ò	01485	04200 -	F #500	1000	00615	00056	94.000	<b>5</b> 0100.	6,000.		7	02241	-,00542	00013	99000	0000	0.000	00000	2000	
		6.61	CLA	00764	.00038	00.06	-,00085	00106	0002 <b>6</b>	-,00083	19.61	<b>1</b>	OBB 10 -	ABR-00 -	10000	79000.	98000	.00088	00093	00034	00141	19.9	ĭ	03160	99910 -	96400 -	9000	00000	6000.	+0000°.	C5000	00.80
	14.03.0005 1N. XT .0000 1N. YT 400.0000 1N. ZT	PRY. L	8	01390	01878	CS/10	84100'-	00214	00205	00330	RN/L -	2	19310	25000	00000	02 /66	- 00944	00698	00186	00306	00374	FR/L	3	- 04755	PERCO -	. 01070	000	01500	00861	00175	00407	1 +500
	E 07	0 /11	2	181	101.650	203.320	400 B60	600.130	199.710	999.760	0 10/ 0		ş	103.41	100.100	200 . 160	299.940	399.530	599.770	799.980	1000.200	0 /6 .0	•	862	0.5	200.310	0.000	300.006	400.470	599.630	799.740	989.900
PEFERENCE DATA	2690.0000 SQ.FT. XHRP 1290.3000 INCHES YHRP 1290.3000 INCHES ZHRP	BCN NO.	×	400.330	400.370	400,360 .00 Tig	400.340	400.320	400,330	400.380	RUN NO.	,	< :	016.008	977.008	900.410	800.520	800.540	800.520	800.580	600.580	RUN NO.	,	¥ 00c.	1500. 7	1200.000	1500 . 700	1200.700	1200.700	1200.800	1200.800	1200.800
ď	SAEF = 2690.0000 SQ. LREF = 1290.3000 INC BAEF = 1290.3000 INC SCALE = .0100																															

Pn /2

(ATJ104) ( \$1 JUL 75 )

		000 000 2000 000																														
	DATA	PTOTAL • BETA • UBETA • ALLRON •																														
	PARAMETRIC DATA	000. 000. 000.		క	000ec.	01660	esaeu.	84780	.08919	.09823	.08788	. 08922		۲,	.08331	49680	8+∂80∵	. 08842	. 08912	.08828	.08816	.08654		3	.09070	96880	.0890.	61680.	.08879	. 08792	. 08930	.08755
		MACH ALPHA OALPHA ELEVTR Y		æ	E0000.	+0000°	+0000	.00005	.00005	.00000	*0000°	£0000.		ස්	<b>7</b> 0000.	50000	<b>1</b> 0000.	.00005	50000	.00005	.0000 <b>5</b>	<b>₹</b> 0000.		<b>6</b> 5	. 00000	.00006	¥0000.	£0000°.	.00005	50000	<b>\$0000</b>	.0000
;				CYN	02167	- 02217	02243	02373	02358	02360	02341	02378		CYN	02620	02204	02160	n23 <b>32</b>	02372	02335	02364	- 02361		CYN	03609	02338	02343	02256	02315	02326	02345	023 <b>26</b>
				გ	07487	06695	06056	05891	05860	05857	05839	05853		۲	08387	07252	96275	05951	05807	05824	05872	05777		Շ	08968	07715	06370	06181	05913	35848	05820	05753
			6.59	CLM	00028	. 00050	.00487	00033	00030	00103	00035	00052	6.59	CL.	01098	00113	.00596	.00231	- 00051	00117	00033	<b>₹</b> 6000°-	6.59	r T	02312	00733	.00393	00007	SC000.	00118	6+000'-	00165
IAIS, CAIERUME		1463.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT	RN/L	Š	02029	01630	01514	66000	00103	00225	00225	00308	RN/L .	Š	01672	68610	01955	00957	00336	00272	00265	00395	BN/L	ટ	8446 -	02 <b>27</b> 4	02670	01147	00983	00323	00352	-, 00477
			0. 13/ 0	2	<b>9</b> ,9.	100.430	018.661	302.500	400.050	599.900	799.860	0+81656	). 14/ 0	2	.903	100.200	198.090	300.090	400.040	598.730	199, 720	1000.200	0 /51 0	2	110	99.904	200.070	300.650	400.130	599.950	799.540	1000.100
	REFERENCE DATA	2690.0000 SQ FT. XHRP 1290.3000 INCHES YHRP 1290.3000 INCHES ZHRP .0100	RUN NO.	×	.089	₹20.	. I 28	440.	510.	101.	101.	.032	RUN NO.	×	400.280	1,00.330	\$00°.	400.350	400.350	₩00.290	400.330	400.350	RUN NO.	×	800.430	800.560	800.540	800.500	900.530	800.550	800.5⊬0	B00.560
		SPeiF = 2690 LPEF = 1290 BPEF = 1290 SCALE =																														

DATE 02 AUG 75

				141	3.EXTERNAL	TANK (T10) SE	IAI3,EXTERNAL TANKITIO)SEPARATINO FROM ORB. OB	TOH ORB. 09		(RTJ104)	)4) (3  JUL 75	U 75 )
	REFER	REFERENCE DATA								PARAMETRIC	: DATA	
SCALE -	2590.3000 BG.FT. 1290.3000 INCHES 1290.3000 INCHES		XHRPP YHRPP ZHRP	400.	1403.0000 IN, XT .0000 IN, YT 400.0000 IN, ZT	<b>.</b>			MACH ALPHA OALPHA EELEVTR	000.002 000.002 000.002	PTOTAL • BETA • DBETA • ATCHON •	. 300 . 300 . 300 . 300
		\$	PUN NO.	16/ 0	RN/L -	6.59						
		×	7		8	CLM	ò	C.	ස්	5		
		1200.700		1.862	05343	03233	08473	03689	90000	. 10385		
		1200.900		99.687	03200	01647	07535	02823	. 00005	. 09529		
		1200.700		200.000	0:065	00509	06454	02548	.00005	90680.		
		1200.700		299.630	5.010	00206	06303	02354	90000.	\$×680°		
		1200.800		399.470	00968	+0000-	08143	02262	€0000.	. 08386		
		1200.800		599.460	00305	.00018	05851	02350	.00005	1840.		
		1200.700		800.190	00421	£6000	05635	02350	. 00005	. 08846		
		1200.800		1000.100	00332	00165	05762	02.309	<b>50000</b> .	.08710		
				IAI	3,EXTERNAL	TANK(T10)SE	1413, EXTERNAL TANK (TIO) SEPARATING FROM DRB. 09	OH ORB. 09		(RTJT05)	5) (3) JUL 75	73 ,
	REFERENC	NCE DATA								PARAMETRIC DATA	DATA	
SPEF LREF	2690.0000 SQ.FT. 1290.3000 INCHES	. H. S.		1403.	1403.0000 IN. XT				MACH .	4.530	PTOTAL - BETA -	000.011
SCALE .	0010		<u> </u>	2	<u>z</u>				DALPHA -	000	08ETA = A1L90N =	000°.
		Ş	PGN NO.	20/ 0	RN/L	6.59						
		×	2		3	2	Շ	Ç	ø	ర		
		057		.791	01761	00 <b>089</b>	06404	02127	20000	.08971		
		9.0		<b>78</b> 6.98	01567	.00037	05891	02302	€0000.	.08387		
		.117		199.420	01403	B>+00.	05521	02498	<b>\$0000</b> .	. 08968		
		<u>R</u>		301.810	00015	00021	05939	02396	. 00005	.08758		
		MG-		358.300	. 00039	£1000.	05932	-, 02365	£0000·	.08825		
		. 097		600.250	00258	00118	05898	02355	€0000.	.08794		
		<b>*</b>	•	799.880	0020 <b>9</b>	₹000	05911	02339	.00005	.08758		
		<b>5</b> 61.		000.200	00439	0008 <b>5</b>	05304	02378	€0000.	. 08969		

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RB. 09 (ALC 75 )	PARANCTRIC GATA	MACH - 4,350 PTGFAL - 110.c00 ALPHA000 BETA - C00 DALPHA000 SBFTA - 5.000 ELEVTR000 ATCRG4000 Y
IA13,EXTERNAL TANKITIOISEPARATING FROM ORB. 09	REFERENCE DATA	SAEF - 2690.0003 SQ.FT. XMRP - 1403.0000 IN. XT LPEF - 1290.3000 INCHES YMRP00000 IN. YT BPEF - 1290.3000 INCHES ZMRP - 400.0000 IN. ZT SCALE0103

		3	טרא	Շ	CYN	<b></b>	CA
-	, r	01400	- 01570	07508	01969	80100.	44680°
	20.0		90,00	64690 -	02073	.00000	38941
= '	018.101	בי מנוס	00000	05571	ROXCU -	F0000	.08805
	. 98. 790	0000-	60000	A . C. NO.	1386	#3UC0	.08793
٨í	299,910	54/00'-	01000	0.00.1		*******	מינים כי
ĭ	401.290	- 0020UF	00087	-,05907	. 06393	nann.	601001
ĕ	500.063	002¥₽	<b>1</b> 5000 -	<b>6</b> 1650	02359	. 0000 <b>5</b>	06190
ř	199.660	- 00232	00032	05893	02353	300001	.୯୫.୬୫
ŏ	999.870	- 00338	<b>8</b> 2005	05847	02353	.00005	.08831
PEN NO.	18/ 0	PN/L	6.59				
		Ž	r o	Շ	Š	ಕ್ಷ	5
	166	100	080+0'-	07189	02503	80000°	<b>96</b> 560 '
-	OF COOL	1.02907	10010	07019	b2047	<b>3</b> 0000.	68833
	199 970	02902	.00453	06134	06235	4 0101	.08978
. F	400 110	01079	00045	05913	02310	<b>20060</b> .	04860
, ~	100 920	00811	40100	64550	1.450	. 0000 <b>3</b>	, 08B4#
ď	599.860	-,00209	00077	05308	-,32339	. 00005	.08789
Ļ	077,967	00272	00013	-,05922	02373	30000	.08922
0	000.100	00333	00115	05792	02347	.00005	.08746
PEN NO.	17/ 0	- J/NJ	<b>6</b> .59				
		3	N To	ò	Z.X.	ෂ්	ర
	1 150	11640	- 03637	05784	03203	.00000	99601
-	200	E0#80	90610	06651	02490	90000.	16460.
٠ ٨	500 690	10710 -	¥1900	05385	02325	<b>2</b> 0000.	08989
1 100	400 490	01218	00170	06207	02226	20000.	.08938
	100 500	69600 -	-,00007	05872	02 <b>282</b>	€0000.	.08833
. K.	299 640	L-100	8:000	05923	02395	<b>5</b> 0000.	.08778
, ,	799.720	-,00340	-,00053	- 05980	02377	<b>\$0000</b>	. 08852
• •				1		1	

# 1413, EXTERNAL TANK (T101SEPARATING FROM 008). 79

A 75 1		000°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°																														
6) (3) JA	DATA	PTOTAL • BETA • ORETA • ALLRON •																														
(81,0106)	PARAMETRIC DATA	000 000 000 000 000		<b>5</b>	¥0890.	ne780.	.08940	. 08915	. 08807		క	. 08398	.08798	77780.	.08789	£ 880.	.06761		క	04680	.08899	.08835	08776	.08786		٧,	C9205	6£6a0'	60683	.08793	68.883. 757.80.	19180
		MACH ALPHA ODALPHA OELEVIR O		<b>d</b> 5	¥0000.	<b>30000</b> .	30000 30000	.00005	<b>c</b> 0000.		ෂ	₩0000	<b>₹</b> 0000.	<b>*0</b> 000.	<b>≱</b> 00000.	20000.	50000		85	+0000	*0000·	₩0000.	#5000.	.00005		<b>8</b> 5	¥0000°	<b>5</b> 0000.	<b>3</b> 0000.	<b>3</b> 0000.	#0000 0000	\$6000.
# 088. %				CYN	€1000 -	00017	00001	00003	+≥000		CYN	00027	00029	00019	+0000 · -	50000.	00011		CYN	00000	<b>\$0000</b> .	00006	90000'-	11000		CYN	00000	<b>6</b> 0	- · · · · · · · · · · · · · · · · · · ·	11000 T	7,000/13 7,000/15	50,000
:413,EXTERNAL TANK(T10)SEPARATING FROM ORB. '9				c۲	00007	00037	82000 5000 <b>9</b>	91000'-	8+000		Շ	00020	¥1000°	=.0002 <del>2</del>	00011	00016	00027		5	8,000.	01000.	<b>6</b> 0000	00017	60000		გ	00028	90000'-	82000.	£00000°	0002 <b>8</b>	010001+
TANK (T10) SEF			6.59	G.	01928	02221	02430	02351	÷. 02592	6.59	C.	02050	87710	02087	02452 - 02451	02410	02571	6.59	ر در	02562	51960	02313	02360	03760	6.59	CLA	02970	<b>6</b> 7834 <b>3</b>	02463	33.00 ·	-,02504	0.02410
3.EXTERNAL 1		403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT	RN/L .	ટ	0 <b>8716</b>	06185	1,590	05218	c6440	RN/L -	Š	09396	+6980	07050	05707	06421	05343	RN/L -	S	₹960°-	98531	07193	05284 05284	-,06940	- TANK	8	- 09326	0708 <b>9</b>	- 07257	- 06855 - 06404	- 06508	<b>6</b> 0290 -
<b>*</b>		00 00 p	5. 21/ 0	2	301.420	399.810	600.700 799.930	999.320	1300.300	1. 22/0	7	199.850	300.200	399.880	799.900	1020.300	1300.200	. 23/ 0	2	200.390	302.760	007.004	799.760	1000.000	o え	7	199 860	297.210	359.690 503.030	0/0.000	1000.100	069 <b>6</b> 671
	REFERENCE DATA	SQLET, XHRP INCHES YHPP INCHES ZHRP	RUN NO.	×	711.	110	. 199 . 199	760.	505.	PUN NO.	×	400.310	400.280	400.330	400.400	400.450	400.520	8 8	×	600.510	830.540	803.620	900.440 900.440	850.500 866.610	2	¥	1200.900			0 1 0 0 2 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0		Car con
	REFE	- 2690,0000 50.FT. - 1290,3000 (MC/ES																														
		SOALE SOALE																														

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PACE

. 300 . 300 . 300 (RTJ107) (31 JAL 75 PTGTAL BETA COSETA ALRON PARAMETRIC DATA იეც: იეც: იეც: იეც: იეც: MACH ALPHA DALPHA DALPHA ELEVIR T 1A13, EXTERNAL TANKITIO SEPARATING FROM 098. 09 - 1403.0000 IN. XT - 0000 IN. YT - 400.0000 IN. ZT XHRP YHRP REFERENCE DATA SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100

3 780	.00000	69690. £0000.	15060. 40000.	62060' 400C''	15160. 400CJ	69060. 40000.		787 CBF	500	•		·		·		783	103		09060. 60000					5 780	503			•	
CYN	00059	00043	00027	00018	00011	00020		CYN	00039	00035	00018	00016	-,00009	00019		Z.	0002 <b>6</b>	00016	00018	61000	~.00020	00012		CYN	₩0000	00012	00006	000 <b>29</b>	
Շ	00007	6,000	00038	.0000	00014	₩2000'-		Ç	00005	00038	00026	00005	.0000	10000.		Շ	00029	00018	B0000'-	00003	00006	00028		ბ	0000€	.00007	00006	8×000·-	
C.	02338	0336+	04581	04521	04468	04670	65.9	S.	02925	03454	04478	0.04640	04512	04672	6.59	CLM	04093	04371	- 04244	04530	04567	04584	6.59	บร	9.040.1	- 0+795	04307	04371	
3	19440	15657	13971	13893	13800	14199	- 1/NE	₹	19734	18614	14684	14286	14002	14195	BN/L .	ક	18192	15770	-,14908	13969	14244	14002	- J/NE	3	- 17621	15397	00641	14438	
7	299.670	399.570	602.610	800.210	999.310	1299.500	0 /92 .0	2	300.010	399.490	600.490	900.0⊀0	999.650	1300.400	0. 27/ 0	7	300.180	401.080	600.210	799.760	1000.100	1299.700	. 28/ 0	2	300.080	399.980	598.710	799.760	000
×	.057	116	108	Ž.	<b>6</b> 00 ·	029	PLN NO.	×	400.430	400.450	400.340	400.340	400.230	400.400	PCN NO.	×	900.500	900 . 700	800.620	800.640	069.008	900.590	P. NO.	×	1200.700	1200,700	1200.500	1200.700	5000 0000

10.13

DATE 02 AUG 75	1A13 S0	IA13 SOURCE DATA			,	§		(RT.)TOB)	8) (31 Jth. 75	- 27
		1413,	EXTERNAL 1	ANK (T10) SEP	TAIS, EXTERNAL TANK (TIO) SEPARATING FROM UNB. US	5 5 5			i	
REFERENCE DATA	4							PARAMETRIC DATA	DATA	
							HOAH	4.530	PTOTAL - 1	110.903
•	XMS	1403.0000	0000 IN. XT				_	000		000.
PREF = 1290.3000 INCHES	ZH89	10.00+					DALPHA -	000.01-	DBETA	000.
• u								200.000		
	<b>100 100</b>	32/ 0	RN/L -	6.59						
		,	3	<b>1</b>	ζ,	CYN	<b>8</b> 5	₹		
×		7 DOC	- 18888	02865	01140	.00359	.00002	.08797		
	99.	00/.662	14234	17771	00483	.00182	.00003	. 08923		
	_	600.000	13614	04438	00006	00026	<b>₩0</b> 000.	<b>5</b> 090.		
		798.100	13751	94440	+0000	00025	+0000°	64060·		
		1000.100	13792	64440.1	.00011	00029 00025	\$0000°	00000		
	356	300.300	0001							
	8 8 8	31/0	RN/L	6.59						
,		•	3	r E	Շ	č	<b>6</b> 5	<b>S</b>		
<b>*</b> * * * * * * * * * * * * * * * * * *	6	7		- 02975	-,00920	61100	10000.	14160.		
883	400 . 250	300.140	000	41850	00420	.00073	.00003	. 0892 <b>6</b>		
003	400.310	399.980	13931	1000.1 1000.1	*E000	.00023	.0000	5⊹060.		
007	400.370	500.000	11331.	00430	10000	00014	₩0000	.09062		
003	400.350	0/83.870	13862	64440	.00002	00018	<b>≯</b> 0000°	19160.		
	_	300.200	-, 13957	04577	.00037	91000'-	+0000 .	44060°		
	•									
	PEN NO.	30/0	RN/L	6.00						
×		2	ટ	CLM	Շ	CYA	턴	5		
008	800 620	300.380	18199	03994	00226	00120	-0000°	C/ 060		
008	800.690	400.030	15689	04253	00157	00073	50000.	4 150		
98	420	599.160	14708	90240	00137	6000	10000	F1160		
800		799.850	13857	98440	5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	61000	30000°	2090.		
008	800 730 1	1000.300	-, 141.50	04531	98000.	00016	+0000.	.09018		
	<b>8 8</b> .	0 /62	BN/L	6.59						
×		2	Š	C E	Շ	Š	된	<b>∀</b>		
00₹.	200.700	299.910	16439	04 363	00789	.00266	.00003	.09023		
062	200.900	401.290	15340	04697	00076	00112	<b>+</b> 0000.	£7080.		
200	200.700	600.030	-,14913	04184	-,00069	¥1000.	£0000.	9060.		
1200		799.820	14222	07170	15000.	27000 ·	<b>7</b> 0000	04080		
1200		1300.500	14203	95540.1	89000°	80000.	MOODO.	63060.		
5521	500.600	1239.800	- 13835	04480	00000		) ) )			

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		IAI	3,EXTERNAL	1A13,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09	PARATING FR	юн окв. оз		(RTUE)9)		31 34 75 )
REFERE	REFERENCE DATA							PARAMETHIC DATA	DATA	
SPEF = 2590.0000 SQ LPEF = 1290.3000 IN BPEF = 1290.3000 IN SCALE = .0100	SQ.FT. XMBP INCHES YMBP INCHES ZMBP		403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				MACH ALPHA OALPHA • CALPHA •	4.530 .000 -10.000 200.000	PTOTAL - BETA - DBETA - ALRON -	000.011 000.5 0000.
	PUN NO.	vO. 33/ 0	PR/1.	6.58						
	×	2	8	G.	Շ	N	ෂ්	₹		
	033	300.160	15280	03444	08026	01811	.00001	<b>108794</b>		
	ž	602.350	- 14	95770 -	06921	02198	₹0000.	₩0160.		
	÷05.	800.040	14110	04403	06897	02197	£0000.	.09106		
	.115	1299.900	14429	04586	06871	02194	.00003	. 09129		
	PCN NO.	M. 34/ 0	RN/L	6.58						
	×	2	ક	r.	۲	Z.Y.O	සි	₹		
	400.510	300.060	19537	02697	08290	01863	.0000.	44160.		
	400.340	399.810	16335	03469	07280	02127	.0000	15060		
	044.004	600.320	14481	04282	06962	02179	.60003	18060		
	400.310	799.940	14067	04392	06917	02172	£0000.	.09:35		
	400.410	1000.100	14085	- 04385	1.0690	02190	.00003	. 09195		
	400.500	1300.300	14206	04508	06825	02189	.00003	.09105		
	RUN NO.	0. 35/0	RN/L .	6.58						
	×	2	8	E.	Շ	CYN	æ	<b>ა</b>		
	800.420	300.190	18194	03851	07608	02172	.00 <b>00</b> 3	.08977		
	800.700	400.940	15683	04233	07268	02202	<b>20</b> 000.	. 09165		
	800.530	600.290	1.641	1.04064	07036	02091	£0000.	01160.		
	800.540	39.790	1 3897	97870'-	06948	¥7150	.0000g	.09128		
	800.400	1299.700	13985	0.04415	06829	02165	£0000.	57060.		
	PLN NO.	0 36/0	PN/L	6.58						
	><	2	Š	CLT	ઠ	Ç	8	క		
	1200.800	300.060	1744B	03854	07742	02151	€0000.	71160.		
	1200.700	400.120	-,15326	04655	07275	02245	€0000.	54160.		
	1200.500	598.800	14986	04153	07:96	0209 <b>6</b>	£0000.	05150.		
	1200.700	799.690	-, 14393	04226	06963	02165	.00003	34170.		
	1200.800	1000.300	14215	60110-	06920	02147	.00003	<b>39060</b>		
	1200.730	1299.600	- , 1 3959	04329	05835	02161	<b>₹</b> 0000.	£1160.		

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CATE DZ AUG 75 IA13 SOURCE DATA

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PAGE 101

) (31 JAL 75 )	DATA	PTOTAL = 110.000 BETA = DBETA = 5.000 ALLROM =																																
(RTJT10)	PARAMETRIC DATA	069. 000. 000. 000.		۲,	. 08829	1,08941	<b>3</b> 6060	.09083	68160.	.09127		5	.09167	98580	. 09065	92060	19160.	<b>6906</b> 0 .		3	14060	.09173	.09083	90160	<b>26060</b> .	<b>2£0</b> 60.		ర	.09122	. 09088	26060.	£+160.	. 08087	06080
		HACH ALPHA BALPHA BELEVTR •		<b>8</b>	≥0006	. 0000	<b>₹00</b> 000	£0000.	£	.0000		95	. 00002	€0000.	<b>*0000</b>	£0000	€0000.	<b>₹</b> 0000 .		ē	F 0000	.00003	€0000.	.00003	€0000'	.00003		둉	.0000	.00003	£0000.	.00003	£0000.	10000
94 OAB. 09				CYN	02595	02372	05507	02186	02204	02216		CAN	02093	÷.02223	02247	02181	02193	02191		Ž	CP050	02100	02199	02197	02187	02170		Š	023k4	02082	02127	02228	02170	-, n218 <b>2</b>
(A)3.EXTERNAL TANK(T)0)SEPARATING FROM ORB. 09				۲	06471	06567	06949	06871	07021	06999		Ċ	06972	06885	06913	0696 <b>8</b>	06982	06859		5	- 174¢B	07218	0689€	07025	07006	0686₩		Շ	08724	07337	07057	+.06990	- 06953	089 <b>42</b>
TANK (T10) SE			6.57	נר	02527	03456	- 04398	04331	04318	04521	6.57	£ 5	02638	03335	04299	04321	-,04358	04482	6.57	<b>1</b>	2,40%	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	8+0+0·-	04338	04376	04394	6.57	r)	3 I I + O - 1	0.04940	04107	-, 04269	10440	- 04321
3.EXTERNAL		TX .NI 0000.004. XT .NI 0000.004. XT .NI 0000.004	RN/L	3	18231	-, 14963	- 13907	13869	13858	14259	RN/L .	ટ	19634	16418	14203	13861	13995	5 ×	RN/L .	3	G1572	15893	6+8+1 -	13909	94141	13933	- J/NB	3	16937	15370	- 15015	1,14290	14230	- 13870
[4]			0 % O	7	295.410	403.060	55.1.800	797.370	1000.100	1300.700	.0 39/ 0	2	300.190	06+ 00+	600.120	799.770	999.630	1300.300	λ 38, 0		100 400	400.040	599.000	799.810	1600.400	1299.900	0. 3., 0	2	299.780	401.360	600.290	799, 790	004.0001	008 6621
	REFERENCE DATA	SPEF • 2630,0000 SQ.FT, XMRP LPEF • 1290,3000 INCHES YHRP B:NE • 1290,3000 INCHES ZMRP SCALE • .0100	RUN NO.	×	043	.063	. 220	880	65I.	₽₹.	RUN ND	×	400.200	400.300	400.390	400.360	400.330	400.350	RUN K	х	055 008	083.008	800.310	0.4.00B	800.570	830.510	RUN NO.	×	1200 600	1200.900	C08:0021	1200 800	1808.900	1203.800

PAGE 102

(REJULIE) (31 JULIE)	
IAI3,EXTERNAL TANK(TIO)SEPARATING FROM ORB. 09	

	REFERENCE DATA	۲			PARAMETRIC DATA	DATA	
385	2690.0000 SQ.FT.	de XX	. 103.0000 [N. 1	MACH	4.530	PTOTAL .	110.000
LREF	- 1290, 3000 INCHES YHRP -	- disti	• .0000 II. 1T	ALPHA -	000	- A138 000	.000
• BREF	1290.3000 INCHES	ZHRP	400.0000 IN. ZT	DALPHA -	<b>-20</b> .000	DBETA .	000.
SCALE .	00100			ELEVTR -	. 000	ATCHON .	000
				>	000		

	. 75		000.011								
7	2) (31 JUL 75	DATA	PTOTAL - BE TA - OBE TA - ALRON -								
	(RTJT12)	PARAMETRIC DATA	4.530 .000 -20.000 .000		. 09279 . 09540 . 09662		CA . 09354 . 09509 . 09553		CA . 09504 . 09576 . 09573		CA . 09674 . 09507 . 09507
			MACH ALPHA DALPHA EELEVTR F		CBL .00001 .00001 .00001		.00000 .00000 .000002		CBL .00001 .00001 .00002		CBL .00001 .00001 .00002
	1 088. 09				CYN . 00242 00032 00019		.00072 .00105 00033		CYN 00035 .00101 00009		CYN 00080 00009 .00067
	ARATING FROM				. 00069 . 00009 . 00019		00435 00191 .00006		CY 00081 00173 .00065		. 00020 00069 00060
	:A13,EXTERNAL TANA(T10)SEPARATING FROM ORB. 09			8.58	-, 07161 -, 08154 -, 08055 -, 08221	6.58	07084 07761 08054 08171	6.58	07588 07477 08134 08092	6.58	08178 07419 07808 07980
	EXTERNAL T		.0000 IN. XT .0000 IN. YT .0000 IN. ZT	FN/L -	CN 33357 3256 32580	RN/L	CN - 35132 33033 32438 32662	PN/L	CN - 34823 - 33744 - 32505 - 32576	PAVL .	CN - 34364 - 34468 - 33251 - 32452
IA13 SOURCE DATA	: A13		007	0 /8, .	2 599.780 800.720 999.890 1300.400	0 /24 0	2 602,380 900,150 130,001	0 48/ 0	2 599.530 799.130 1000.200 1299.900	0. 45/ 0	2 601.480 800.490 1000.300
1413		4	CATA  CAMPA  SAMPA  CN NO.	× 503 725 .104	PUN NO.	X 400.530 400.340 400.180	PCN NO.	X 800.210 800.210 800.620	PCN NO.	X 1601.000 1200.700 1200.800	
AL 01 4 00 74			REFERENCE DATA SPEF = 2690.0000 50.FT. LRET = 1290.3000 INCHES SCALE = .01100				¥ ¥ ¥ ¥				3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

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IA13 SOURCE DATA		
1A13,EXTERNAL TANK(T10)SEPARATING FROM ORB. 08		(RTJT13) (31 JUL 75 )
EPENCE DATA		PARAMETRIC DATA
TX NI 0000 Equit is deposit on the	- ¥CH	MACH - 4.5 10 PTOTAL - 110.000

	REFE	REFERENCE DATA								PARAMETRIC DATA	DATA	
SPEF LREF BREF SCALE	2690.0000 1290.3000 1290.3000	SQ.FT. INCHES INCHES	XYFRP YFRP ZHRP	1403.0	1403.0000 IN. XT .0000 IN. YT 400 0000 IN. ZT				MACH ALPHA DALPHA ELEVTR •	4.5.10 .000 -20.000 .000	PTOTAL BETA DBETA AILRON	000.011 000.8
		Æ	PE 760	0 /61	RN/L .	6.58						
		*		2	3	5	Շ	CYN	평	5		
		706		600.830	34810	06370	38597	91910	00002	.08987		
		.133		800.510	32625	08053	082 <b>32</b>	02041	00000.	.09568		
		157		999.450	32650	07956	08253	.02054	00000.	16960.		
		068	_	300.000	32958	08163	08277	02048	00000.	16960.		
		Ě	₹ 8	90/0	RN/L	6.58						
		×		7	3	ş	5	C	<b>8</b> 5	3		
		401.230		600.710	36464	0682b	-,08678	01964	00002	. 092 <b>85</b>		
		400.230		800.070	33806	07523	-,08361	01953	00000.	.09541		
		400 410	_	000.000	32758	08002	-,08285	02053	00000.	₩9960.		
		400.350		1300.300	32901	08096	08185	32020	00000	. 09589		
		Œ	PUN NO.	517.0	FR/L	6.58						
		×		~	3	r T	ò	CÁN	<b>6</b> 5	ర		
		900.040	9	601.380	34780	37824	08607	02027	00000	05470		
		800.420	2	800.120	34188	07429	08516	01920	10000	₹2960.		
		800.470	_	1000.200	32765	08067	08269	02026	00000	. 09606		
		800.490	_	1599.900	32847	08023	08154	02014	00000.	. 09563		
		Œ	RUN NO.	98/ 0	RN/L -	8.58						
		×		7	ટ	<u>م</u>	ć	CYN	18	5		
		1200.600	00	600.760	34551	08163	08439	02083	. 00000	50960.		
		1200.200	8	798.970	34535	07539	-, 08535	01937	00001	.09662		
		1200.600	00	389.680	33763	07650	08396	01951	00001	.09530		
		1200.700		006.662,	32814	07943	-, 08199	02007	00000	92576		

is i.g.

1413, EXTERNAL TANK (T10) SEPARATING FROM ORB. 09

## (RTJT14) (31 JUL 75 )

		110.000 . 300 5. 300
	DATA	4.530 PTOTAL000 BETA000 OBETA000 AILRON -
	PARAMETRIC DATA	.530 .000 .000 .000
		MACH ALPHA DALPHA EELEVTR
IAI3, EXIEMBAL IAMAII IO SEL MINI III		SQ.FT. XHSP = 1403.0000 IN. XT   INCHES YHSP = .0000 IN. YT   INCHES ZHSP = 400.0000 IN. ZT
		& & &
	Y.	XHRP YHRP ZHRP
	REFERENCE DATA	2690.0000 1290.3000 1290.3000
		8 9 8 E
		SREF • LREF • BREF • SCALE •

RN/L . 5.58

FUN NO.	NO. 56/0	RN/L	8.58				
* 1.92 1.86. 0.26.	2 599.420 800.700 999.500 1300.500	CN 34227 32752 32793	06625 08072 07971	CY 07829 08279 08368	CYN 02246 02044 02054	CBL	CA .09063 .09534 .09657
ş	RUN NO. 55/ 0	RN/L	6.58				
X 400.550 400.630 400.070	2 603.180 800.140 999.640 1300.300	CN 35671 33439 32701 32868	05987 07569 07978	CY 08272 08163 08346 08327	02064 02115 02039	CBC 00002 00001 .00000	CA . 09254 . 09501 . 09650
2	RUN NO. 54/ 0	FRV-L	6.58				

ርል . 0944 <b>6</b> . 09580 . 09578 . 09531	
CBC .00000 00001 .00000	
CYN -,01920 -,02045 -,02069	
CY +,08616 -,08387 -,08422 -,08634	
CLM 07681 07378 08065	6.58
CN -,34905 -,34052 -,32755 -,32806	FN/L
2 899.500 799.090 1000.160	0. 53/ 0
X 800.340 800.060 800.520 800.600	S. S. S.

. 09617 . 09633 . 09520 . 09545
CBL .00000 .00000 .00000
CYN 01955 01967 02059
CY 09629 0868 08331 08312
CLM 08145 07433 07682
CN -,34538 -,34631 -,33618 -,32654
2 601.520 800.540 1000.400 1299.800
x 1201 : 000 1200 : 900 1200 : 800

IAI3 SOURCE DATA

	•		
•	9		

			1413	EXTERNAL	1413, EXTERNAL TANK (TIO) SEPARATING FROM ORB. OB	PARATING FR	OH ORB. 09		(RTJT15)	15) (3) JUL 75	73 >
	REFERENCE DATA	<							PARAMETRIC DATA	DATA	
SPEF LREF BREF SCALE	2690,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES	2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1403.0000 .0000 .0000	403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				MACH ALPHA - DALPHA - ELEVTR - Y	000. 000. 000. 000. 000. 000.	PTOTAL - BETA - DBETA - ALLRON -	000.011
	E	RUN NO.	57/ 0	RN/L .	6.58						
	x -3.234		, 2 1297.500	CN 57959	CLM 11279	CY 00067	CYN 00044	<b>CBL</b> 00001	CA . 10375		
	£	₹ 80.	0 /86	RN/L	6.58						
	X 071.004		Z 1300.300	CN 7. 58088	CLM 11222	CY 00078	CYN 00032	CBL 00001	CA . 10329		
	Æ	PEN NO.	29/ 0	RN/L	6.59						
	X 800.330		2 1300.000	CN 57923	CLM 11178	CY 00057	CYN 00022	<b>ca</b> t. 0000≥	CA . 10255		
	Œ.	PUN NO.	0 /09	- 1/A	6.58						
	X 1200.400		2 1300.000	CN 58250	CLM 10885	CY 00087	CYN 00030	CBL 00002	CA . 10154		
			IAI3.	, EXTERNAL.	IAI3,EXTERNAL TANK(T10)SEPARATING FROM ORB. OB	PARATING FR	OH OPB. 08		(R*JT16)	6) (31 JUL 75	ار د د
	REFERENCE DATA								PARAMETRIC DATA	: DATA	
SPEF LREF BREF SCALE	2690,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES	X X X X X X X X X X X X X X X X X X X	1403.00	1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				MACH - ALPHA - DALPHA - ELEVTR -	% to	PTOTAL - BETA - DBETA - AILRON -	000.
	Æ	PCN NO.	0 /19	- J/NE	6.60						
	×	•	~	8	CLM	5	CYN	es S	5		
	. 228		. 082	01364	00524	.00050	00025	.0000	08881		
	<u> </u>		77.977 07.0 ¥00	02036	91100	68000.	00019	<b>*0000</b> .	.08799		
	173. 885.	-	304.300	001698	000 <b>28</b> 002 <b>8</b> 3	98000.	00027	<b>3</b> 0000.	.08582 .08584		
	.236	-	000.004	00762	00335	.00035	00000-	<b>\$</b> 0000	.08643		

(REJIE) (31 JUL 75 )

## 1413.

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2
SEFARATING
38.00
ž
₹ 1
13.EXTERNAL
3.5

	113.000	000	000.																										
OATA	PTOTAL .	- PETA	- V- V- V- V- V- V- V- V- V- V- V- V- V-																										
PARAMETRIC DATA	4.530	-3.000	000	000.	600.		3	16060	.08890	.08770	+0∠80.	.08687	. 08688		8	. 10279	. 09206	. 08867	.08851	16400.	.08603		క	08880	. 10059	. 09568	08680	. 08920	.08658
	- KACH	ALPHA S	DALPHA -		• >		<b>8</b> 5	20000.	40000	40000°	40000.	<b>N0000</b>	<b>\$</b> 0000.		8	20000.	+0000€	₩0000.	<b>★0000</b>	₹0000.	+0000.		野	₩000ú .	₩0000	. 00005	₩0000.	<b>40000</b> .	¥0000°
							C	61000.	00026	00016	00027	00025	-, 00019		CYN	.00051	11000.	10000.	60000 -	-,00019	00022		CAN	00122	00018	60000	00003	00018	00030
							Շ	.00052	62000.	11000.	.00039	. 00028	€0000.		ځ	<b>76000</b> .	<b>65000.</b>	. 50030	04000.	<b>+0000</b> .	<b>*</b> 1000.		გ	00079	. 00036	.00036	.00035	.00029	.00010
						6.60	<b>E</b> 73	01416	0033!	16100	.00029	00065	00271	6.60	S.	02580	00827	00760	00317	0000	00307	6.60	C.	<b>26</b> *00.	00765	01251	00755	00450	00151
	1403.0000 IN. XT	.0000 IN. YT	0000 IN. 21			RN/L	3	00877	01728	01205	01364	09889	00727	RN/L	8	01Pts	0209B	00867	01274	01435	00761	BN/L -	3	.00090	00452	00817	00785	01315	01354
	•	•				0. 62/ 0	7	+76	100.140	066.661	300.080	398.860	600.210	). 63/ 0	2	391	100.430	201.910	300.180	400.060	600.080	O /±0 .0	2	. 165	97.7S	198.440	299.180	399.970	599.560
REFERENCE DATA		NCHE'S	1290.3000 INCHES ZHAP	0010.		PUN NO.	×	400,460	400,530	400.310	400,480	400.380	044.004	RUN NO.	×	900.590	800.700	800.730	800.610	800.630	800.870	RUN NO.	×	1200.600	1200.600	1200.700	1200.900	1200.900	1200.900
	1385	LAEF	• L	SCALE.																									

n, <sub>E</sub>

(RTJ117) ( 31 JUL 75 )

# 1A13,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09

## 000.011 000. 000. PT0T4L • BETA • Commercial Actions • Commercial Act ARAMETRIC DATA 4 530 5.032 .090 .000 HACH - ALP 1A - DALPHA - ELEVIR - Y SPEF = 2690,0000 50,FT, XHRP = 1403,0000 IN, XT LREF = 1290,3000 INCHES YHRP = .0000 IN. YT BREF = 1290,3000 INCHES ZHRP = 400,0000 IN. ZT SCALE = .0100 REFERENCE DATA

	5	13 15:0	11000	#4 E - O -	5,26.50.	08939	6.36.3	69663		3	£2260	.03165	08036	. 08588	.08975	71090.	. 08915		ď	.10530	\$6,60	18060	.09035	26060	C8923	. 98853
	<b>16</b> 0	. 000.	, 00°.	\$ 1 GD.	\$ 0000.	• 0000	• ( 123 ·	<b>.</b>		<i>નું</i>	•	Pe1		<b>M</b> )		<b>F</b>	<b>*</b>		æ	.0000	¥0000°	₩0000°	<b>*</b> 0000	€0000.	£0.20°	\$0000°
	CYN	<b>6</b> 0000	11000	00018	00017	0001B	60011	<b>\$</b> 2000-		CAN	<b>45</b> 000.	-, 00003	00369	1.000.1	-,00017	09315	00008		CYN	.00055	¥1000°	31000.	000000	00010	30020	_:ნმს:-
	ბ	+00000	54000.	.00088	3L000.	.00038	64,000.	.0000.		Շ	.00030	01000.	51000.	92000.	.00009	-, 90006	15000.		Ç	r1000.	. 00079	.00081	91000	~.00005	00631	636,651-
6.59	נר <b>יי</b>	03158	02636	02082	02154	02436	02528	02673	6.59	<b>x</b> 70	+16+0	03!15	02374	02473	02159	÷. ८ <b>25</b> 5⊌	02573	6.59	CLM	05407	0408.	02888	02354	02587	-,02376	-, 2637
RN/L	S	07676	07982	08153	07222	06675	<u>-, 06992 - </u>	06922	RN/L .	3	06708	07963	07973	+0420	07470	06963	0691 <b>B</b>	RN/L .	8	08577	01765	07651	07070	07532	07536	05875
0. 65/ 0	Z	1.116	96.495	203.120	299.780	₩01.930	539.670	830.290	0. 66/ 0	7	-1.781	100.450	200.330	300.010	336.220	600.290	870.220	0. 67/ 0	7	90::	100,450	203.720	300.3:0	400.330	630.069	739.850
RUN NO.	×	<u>8</u>	0%?	.≥34	.230	515.	. 362	013	PUN AD.	×	400.390	400.550	400.510	400.510	400.510	400,140	400.690	PUN NO.	×	800.620	800.510	830.640	800,590	830.570	800°640	800 570

# 1A13, EXTERNAL TANK (T10) SEPARATING FROM ORB. 09

DATE 02 AUG 75	አ 1	IAIS SOUNCE UAIA	EXTERNAL	DATA 1413.EXTERNAL TANK (TIO) SEPARATING FROM ORB. 09	PARATING FRO	¥ 088.09		(RTJ118)	8) (31 JUL 75	U 75 J
AFFERENCE DATA	. ⋖							PARAMETRIC DATA	DATA	
SARE - 2690.0000 SQ.FT. LARE - 1290.3000 INCHES BARE - 1290.3000 INCHES SCALE	XMRP YMRP ZMRP	0000. 0000. 0000.	403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				MACH - ALPHA - OALPHA - ELEVTR -	000 (g-	PTOTAL " BETA BOBETA AILRON BILRON BETA BILRON	000.011
œ	FUN NO.	0 /89	RN/L .	6.59						
;		r	2	<b>X</b>	5	N.	ag S	<b>S</b>		
× -	021	10.721	07505	05380	00002	00011	£0000°	M2160		
	56.	96.595	07694	-,02535	00010	.0000	£0000 .	5000.		
		202.980	07848	01975	00038	61000	£0000.	/ 868ú ·		
1.		299.810	06955	+9050	00017	75000	€0000.	108897		
		402.010	06334	- 02320	*0000°-	00021	+0000°.	95060		
y. E.	377	800.430	05628	02568	00025	00026	€0000	.08968		
u.	PUN NO.	0 /69	RN/L	65.9						
		1	į	1	?	7	ĕ	ď		
*		7	Z O	E 13		0000	0000	56160		
400.300	300	7.518	06488	- 04605	81000°	. 00005	10000	95160		
00.500	200	00.4001	(ab/0	. 03302 -	50000 -	- 00013	£0000.	. 09022		
045 004 045 004	240	200.180	-,07,69	02397	0000.	00015	10000	. 08982		
067.007	0 0	300.000 305 310	525CC -	02074	15000.	00011	€0000.	.08961		
097 007	100	500.230	06742	02479	.00007	00018	.00003	. 08958		
0£9.00h	630	800.060	06673	02589	.00015	00011	£0000°.	.08908		
-	Se 16	70/ 0	- J/8	6.59						
					į	į	ě	5		
*		2	Š	ر در	۲,	CTN	2000	6140		
	530	66 · 6	08358	05167	<b>C</b> 5000.	19000	<b>\$0000</b>	6,60		
0009	570	100.330	120/0	0.00.	16000	¥0000	*0000	09079		
900.570	570	203.820	015/0	- 06810 - 02828	<b>5</b> 0000	-,00002	¥0000°	04060		
030.00B	מעם	390	10770	56420	50000.	00010	£0000°	<b>≯</b> £060.		
DEST DUB	אר איני איני איני	600.030	07325	02260	nooce	00026	.00003	71680.		
000.000	780	799.870	06596	02526	.00036	00005	¥0000°.	.08843		
			;	9						
	2 2 2 2	2	• 1/Z	FC . 0						
×		7	Š	כרי	۲	CYN	<b>B</b>	<b>₹</b>		
1,500	900	10 398	- CF 325	02122	- 00055		<b>★0</b> 000°	<b>15.4</b> 50.		
006.0051	006	100.250	12270	0.02650	6.4000 10000	in t	#3000.	00001		
	800	196.040	<b>\$</b> 5₹96 -	*5.***********************************	<b>1</b> 0101	<b>.</b>	*0000°	10/62: 9-100		
		599 550	047.80	- 03:88	000000 F	90000 V	<b>7</b> 0000	#8050		
	ტი.	C	00880		# 1000 F	() () () ()	* ************************************	C8957		
	 	0.00		F25.07	1000	F.0000	<b>№</b> 0000	.0875 <b>6</b>		
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REFERENCE DATA

14TJT131 ( 31 JUL 75 ) PRANKTRIC DATA MACH -- ALP 14 -- DAI 1124 -- ELEVIR -- Y 1A13,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09 SAEF = 2690.0000 50.FT. XHRP = 1403.0000 IN. XT LAEF = 1290.3000 INCHES YHRP = .0000 IN. YT BAEF = 1290.3000 INCHES ZHRP = .400.0000 IN. ZT SCALE = .0100

CYN -,000,629 -,000,637 -,000,631 -,000,631 -,000,631 -,000,36 -,000,36 -,000,36 -,000,36 -,000,36 -,000,36 -,000,36 -,000,36 -,000,36 -,000,31 -,000,31
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		I¥1	3,EXTERNAL	1A13,EXTERNAL TAMKITID)SEPARATING FROM ORB. 09	PARATING FR	OH OAB. 09		(RTJT20)	20) (31 JUL	JL 75 1
REFERE	ERENCE DATA							PARAMETRIC DATA	DATA	
SPEF - 2690.0000 LPEF - 1290.3000 SPEF - 1290.3000 \$CALE0100	SOLET. INCHES INCHES	XHRP - 1403,0000 ZHRP - 400,0000	403.0000 IN. XT ,0000 IN. YT 400.0000 IN. ZT				HACH ALPHA DALPHA ELEVTR Y	530 530 000 000) 5000 500	PTOTAL - BETA - OBETA -	000°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°
	P. R.	RUN NO. 76/ 0	FN/L	6.59						
	×	7	š	<b>5</b> 73	Շ	Z.	SB.	5		
	175	7.957	-, 08038	02698	07213	02282	+00000.	. 09228		
	4 <u>0</u> 1.		08156	02469	06937	02272	£0000.	04160.		
	**************************************	203.190	08005	948	- 05351	UCIBI	£0000 .	FC080.		
	181.		06605	- 02330	0634 <i>e</i>	02293	.00003	16680		
	270	-	06848	02406	06303	02326	.00003	.09164		
	<b>8</b> 5	799.930	06943	02534	06180	. 02291	+00000.	. 09017		
	P.	RUN NO. 77/ 0	RN/L	6.59						
	×	7	3	Ę	۲	CYN	<b>e</b> 5	5		
	400.230		07188	03" 77	07328	02713	₩00000.	£+160.		
	400.560	10	07872	02743	06957	02381	.00003	.09243		
	400.510		07841	02302	06638	02282	.00003	.09073		
	C 3,003		07457	02320	06614	02198	.00003	.09063		
	400,400		07452	02033	06495	02201	£0000.	2/060.		
	400.470		06939	02417	06278	02294	.0000.	9000.		
	400.480	800.320	06938	02537	06171	02278	£0000.	.09002		
	\$	RUN ND. 78/ 0	RN/L	6.59						
	>	•	2	Ĭ	2	2	<b>.</b>	3		
	800 130		- 07888	100 P	60070 -	- 01384	0000	.09677		
	800.650		07742	03634	07015	02601	₹0000°	.09300		
	800.670		07709	02755	E++90	02483	.00003	.09156		
	677.008	300.330	07236	02825	06655	02355	.00003	.09118		
	800.730		07516	02455	06669	02243	.00003	75160.		
	800.720	_	07553	02552	05338	02538	£0000.	. 09022		
	900.570	799.850	05897	+054B+	F. 06149	₹ 1220	£0000°	.0e95¥		
	a S	RUN NO. 757 0	RN/L	6.59						
	×	2	3	¥70	Շ	N.O	<b>e</b> 5	₹		
	1203 900		906601-	03655	- 06050	971-70	<b>₹</b> 0000°	11501		
	1200 900		F+880'-	+03124	61400'-	2347	<b>3</b> 0000	6,201.		
	1201.000		-, 35237	03583	+-290°-	0.675	<b>4</b> 0000.	. 9513		
	CJ# 008.		05639	03051	- 05370	- 36563	.00003	71560		
	000 V.83	399,990 #30,3350	3 C C	41650	r de suit	B1500.1	<b>8</b> .000	091 <b>56</b>		
	O		0 C	E18689-	807000 807000 1	6 (2) (1) (1)	N 600€	9 (9 A)		

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J. 175 )		000.																																	
15	DATA	PTOTAL • BETA • DEETA • ALLSON •																																	
RTUTELL	PARAMETRIC DATA	0000 0000 0000 0000 0000 0000		ర	06000°	18060.	<b>9</b> 2680.	09500°	<b>9</b> 6600		5	09380	90260	99080	.00:00	55.060.	09057	. 38976		5	.10621	90560	.09·8 <b>2</b>	. 09105	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	08680		ď	₹6960`	57101.	.09761	97560.	.09195	1060.	
		MACH ALPHA - OALPHA - ELEVTR - Y		ත්	1 7 000 000 000 000 000 000 000 000 000	.0000	\$ 000.		100		85	9,	•	*	₹ ! (* )	<b>2</b> 6.000		<b>8</b> (2)		e Je	90000	€0000°	±0000.	£0000.	\$ 0000 10000	£0000		න්	*0000°	.00003	*0000°	<b>+0</b> 0000.	. 000 <b>02</b>	.00003 .0000	000.00
M 088. 09				Z.	95056	02329	02369	02321	02307		CYN	02161	02085	-102:83	02:90	±6720.±	יי. טקלקטי. פסג רס	05020'-		Z,	02763	02312	02282	02158	14860.1	- 02275		<b>2</b> .	1.03047	02781	02532	962771-	05220 -	- 0202 <b>2</b>	##50 S
1A13,EXTERNAL TANKITIO)SEPARATING FROM ORB. OB				5	07306	05229	05150	06371	06278		გ	07897	07083	06593	06530	05320	65500	C5<33		5	06925	07089	06779	05876		+.06233		5	05590	61850	06501	c596 <b>6</b>	05993	- 05437 - 06543	J. 1000 .
TANK (T10) SEF			6.58	C.	1.02813	E+610	-, 02124 - 02129	02446	-, 02595	6.38	cr Cr	E 1.04.0	- : 029 <b>88</b>	02262	-,02325	02083	1.00436		6.58	±73	35390	03901	02775	- 05/00	. 02950	02487	6.59	F)	52247	016.5	L12777	06120-	- 0047 <b>55</b>	יי פונדליי	,
S, EXTERNAL 1		1.0000 IN. XT0000 IN. XT	FN/L	ઢ	08540	08327	07172	06890	0715%	FN/L =	₹	€+670	8++80·-	09240	-,078 <b>6</b> 4	0.670	C0600	15500	RN/L .	ક	08417	08034	07580	2 T T T T T T T T T T T T T T T T T T T	07740	- 05303	FW/L.	3	- 06275	07216	- 65382	1.0507	0.7470 - 0.0000 - 0.0000	***************************************	
1413			. 83/ 0	7	101,730	203.140	297.310	597.750	600.510	. 82/ 0	7	Ø 140	99.832	068.661	303.810	599.790	033.030	900.008	0 /18	2	966 · 6	100.130	200.000	790 690	599.650	800,019	807.0	2	9.338		200 320	369 310		00.0	
	REFERENCE DATA	SQ.FT. XHRP INCHES YHRP INCHES ZHRP	RUN NO.	×	BO# .	191	.306	69.F.	96. 96.	PUN NO.	×	400.370	400.450	400.320	430.400	0/7-007	007	400.460	RUN NO.	×	900.700	800.670	800.770	800.030	600.730	800.660	P. N.	×		1202 700	_				
	REFERE	290.0000 1 1 290.3000 1 1 290.3000 1 1 2 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0																																	
		SCALE -																																	

(RTJT22) (31 JUL 75 )

	REFERENCE DATA	DATA							PARAMETRIC DATA	: DATA	
SPEF = 269 LPEF = 129 BPEF = 129 SCALE =	2690,0000,50,FT.	XMRP S YMRP S ZMRP	• • •	403,0000 IN, XT ,0000 IN, YT 400,0000 IN, ZT				MACH ALPHA BOALPHA BELEVTR	4,530 -5,000 -5,000 .000	PT0TAL BETA UBETA A1LRON	000.011
		<b>8</b> 86	0 \x	RN/L	6.59						
	*	×	7	Š	C.	Č	CAN	CB.	3		
		9860	014.661	14591	03958	₩0000.	00038	£0000°	64160		
		.226	299.790	15436	03947	00016	00041	20000	18160.		
		555.	400.170	14969	24040 -	00011	##000	<b>2</b> 0000.	.09143		
		587 - 83	599.670	14237	04529	00018	00033	.03002	. 09246		
		0 m	99.680	14436	04639	00056 00045	00045	50000°.	17160.		
	-	1.532	1299.500	-, 14549	04677	00055	0004B	.00003	. 09287		
		PUN NO.	. 85/ 0	RN/L -	6.59						
	×		7	z	5	Շ	Ç	GB.	ర		
	00+	400.520	199.060	16595	04439	.0000	94000	-2000C	.09280		
	004	400.660	299.770	15390	04354	00010	00033	-0000g	₩0160.		
	400	400.480	400.240	15065	04416	00016	0003¥	₹0000.	.09203		
	00,	400 340	598.560	14803	04227	00003	00045	-00000	06160.		
	003	400.400	800.440	E+E+I '-	04590	6+000'-	00039	20000.	¥8160.		
	007	400.450	1300.400	14100	1,114554	- 00018	00039	50000.	25180.		
					<b>3</b>						
		₹ 8	0 /98	RN/L -	6.58						
	×		2	3	CLM	Շ	2	CBL	ర		
	800	964.008	200.590	15377	05319	.0000	00023	. 00002	. 09214		
	008	800.630	301.090	14405	04998	00015	00033	. 00002	.09210		
	008	800.860	40C.290	14569	- 04871	00022	00036	€0000.	. 09255		
	006	800.750	600.480	15382	04286	61000	9*000-	. 00002	18160		
	006	800 . 750 800 . 500	800.520	1.144.36	5,04562	00013 EE000	00034	50000.	. 090 <b>25</b>		
	000	016.008	1300.000	- 14454	04655	00016	1+000	. 00002	91260.		
		PCN NO.	0 /18 .	RZ/L	6.59						
	×		*	85	Ð	S	<del>بر</del> د	SS SS	5		
	1500	600	200,090	15460	-,05090	.00037	- 00030	.00003	66660		
	1200	603	298.120	- 15913	05703	00013	<b>₩</b> £0000'-	.00003	16260		
	1209	0 G	₩00.100	14050	05186	~.00056	86070 -	£0000 °	.09337		
	0021	200.900	599.970	15099	0+581	5,4000 -	₩	£0000	17160.		
	5 · 4 · 6		799.020	15043	04199	- 0005	B2000	<b>2</b> 5000.	<b>9</b> 8.060		
		ω - -	993,900	1017	0.4470	±.00018	000 <b>33</b>	<b>6</b> 0000	a 160		
	•		094-974	- 14363	. c.5.5	£0000'-	<b>6</b> 0000	0000 B	<del>සම</del> :සිට		

# 1A13, EXTERNAL TANK(T10) SEPARATING FROM ORB. 09

(8f.Jf.) 31 JUL 75 3

REFERENCE DATA	E DATA							PARAMETRIC DATA	DATA	
SAEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE =	T. XHRP ES YHRP ES ZHRP	• • •	1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				MACH ALPHA CALPHA CALPHA Y	000 - 4- 000 - 4- 000 - 01-	P7073L + BE7A - C-F-A - C-ON - A - C-ON - A	000° 600° 600°
	R NO.	0 88/ 0	RN/L .	6.58						
	×	7	Š	<b>5</b>	č	CYN	dd.	₹		
	023	300.670	28970	03828	61000.	-,00047	- : 00001	.08057		
	510.	339.860	-,23749	05920	000 <b>25</b>	-,00033	<b>.</b>	G 100		
	. 128	599.530	-,23362	-, 06138	00050	9,000	10000.	. 09443		
	ž	800.180	22984	-,06504	00057	00051	 () ()	. 09407		
	.218	999.800	-,22855	1.06471	60067	00052	10000.	55560.		
	. 170	1299.600	23047	06543	00053	00048	. :0001	. 09526		
	RCF NO.	0 89/ 0	RN/L .	8.58						
	×	2	Š	C.	Շ	CYN	-	ť		
r	400 · 60C	299.850	27564	05316	₹0000.	00039	0.0	. 09453		
,	400.690	399.690	23458	- 06518	00035	00038	<b>2</b> 0 m	.09377		
,	400.330	596.410	24034	0597 <b>6</b>	+3000 ·-	6,000	5	.0348 <b>5</b>		
,	400.560	800.113	22991	06478	00051	00043	16500	44860.		
,	077.007	999.850	22793	06410	00027	00035	<b>10</b>	.09350		
•	400.630	1300.500	- 23050	06566	00042	+5000.−	20.00	91560.		
	₹.	0 . 90 . 0	FRV.L	8.58						
	×	7	ટ	r.	Ç	CYN	Ť	<b>ა</b>		
•	800.730	303.670	23670	07001	5:000'-	0002 <b>.</b>	1000	. 09138		
w .	900.610	399,990	22142	07300	- 00012	61000'-	€0000.	+0560.		
w w	800.850	600.880	23609	06476	*2000" <del>-</del>	00342	10000	. 03+5 <b>6</b>		
w	800.720	800.350	-, 23953	05992	C+000'+	00035	.0000.	51860.		
9	900.670	999.550	22717	05365	₹5000	00033	10000	. 09350		
w	900.900	1300.000	2 5003	06542	**000	00042	<b>.</b> 00.0	£ + + 60 ·		
	RUN NO.	0 /16 .0	RN. C	6.58						
	×	2	3	ij	ò	CYN	CBL	ర		
21	1200.500	č 3 <b>5</b> . 79:3	80822	TTL50 -	£0000°	<b>-</b> .00047	10000	+1760.		
51	1201.030	€61 0±0	21158	07 <b>8+9</b>	00011	- Jooss	≥0000	91+60.		
2	200.900	600.63	23456	06833	0004 <b>5</b>	.00037	20000.	14460.		
21	1200 800	759 430	2:057-	062:2	0.0000	00041	10000.	.09267		
16	1200.800	605 656	-,23457	25118	£ 000.	0002 <del>s</del>	10000	. 09320		
2	1201.100	1300 600	23190	06573	00027	00033	. 00001	01,60.		

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# 1413,EXTERNAL TANK(110)SEPARATING FROM ORB. 09

	000°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°																																
PARAMETRIC DATA	PTOTAL = BETA = CBETA = AILRON =																																
	4.530 -5.000 -10.000 200.000		<b>5</b>	<b>5</b> 85.60	±6260°	82,460	96£60′	09340	£6680.		₹	96+60·	*0 <b>*</b> 60°	12460.	.09330	64260.	LC#60.		ర	.09354	26,460∵	61,60	. 09288	26160.	£ .		<b>Y</b> 3	\$\$\$60	.09526	₹6±60.	₩8260	04860	N O O O
	MACH ALPHA BOALPHA BELEVIR B		C9F	00001	00000	.0000	10000	<b>5</b> 6000.	20000		95	00000	10000	10000.	10000.	.00001	.00001		형	10000	.0000	.0000	10000	10000.	10000.		<b>8</b> 5	£0000°	.00003	10000	10000.	10000	<b>2</b> 0000.
			N S	.00203	.00028	00024	6+000	00038	00023		N.C	00113	00208	1,000	00033	-,00053	6+000		CYN	00226	00283	00043	. 00047	0002B	00052		CYN	.00193	F.00217	30:60	₹200€.÷	£	<u>g</u>
			CY	00859	00335	00080	.0000	~, coooe	. 00012		ζ	00229	.00105	-,09197	<b>\$1000</b>	00022	6+000		გ	.00400	.00473	. 00020	00106	<b>6</b> 0000	-,000,-		ζ	+5000°	¥1700.	.00255	00100	000F	. 00030
		6 58	<b>₽</b> TO	04680	05885	05428	06587	06569	05632	6.58	r S	05491	06350	05976	06543	05+90	06625	6.58	CL	07191	07115	~.06348	06093	06435	06652	5.58	r)	05820	07828	06745	06207	105301	- ଅନ୍ୟେଶ
REFERENCE DATA	.0000 IN. XT	RUN NO. 95/ 0 RN/L =	ટ	27022	. C4205	23199	23241	23149	23292	FN/L	3	- 27305	24310	24255	23165	- 22961	23196	RN/L .	ટ	- 23785	23116	24207	23360	. 22895	23279	FZ/:	Š	- 23:60	21919	24280	24 368	23293	23075
	1403		2	299.840	399.650	600.320	900.410	008.00±1	0 / <del>¥</del> 0	^	100 180	403.020	599.890	800.320	999.700	008.66.71	0. 93, 0	2	313,160	397.330	599.580	799.470	997,790	1300,700	0. 92/ 0	7	239.050	400.230	601.050	066 008	ű+9⁻65ō	1299 900	
	2690.0000 50.FT. XMRP 1290.3000 INCHES YMRP 1290.3000 INCHES ZMRP 0100		×	. 023	1882	182	888	.337	324	RAN NO.	<b>&gt;</b>	U11E 001	400.580	100 320 400 320	000.004	400.450	067.007	RUN ND.	×	B00.B70	800,550	800.580	800.550	800.600	800.750	RUN NO.	×	12:30,700	1200 B00	1201.169	1291 033	1230.900	00610021
	SPEF SPEF BPEF SCALE																																

DATE 02 AUG 75	2C 0U	1413	IAI3 SOURCE DATA							ď	PAGE 116
			1413,	EXTERNAL	1A13,EXTERNAL TANKITIOISEPARATING FROM ORB. 38	PARATING FRO	OM OMB. 39		(RTJT., 5)	.s) (31 JAL 75	JE 75 1
	REFERENCE DATA	ATA							PARAMETRIC DATA	DATA	
SHEF BREF SCALE	269' 0000 50.FT. :250.3000 INCHES 1290.3000 INCHES	XMRP YMRP ZMRP	007	.0000 IN. XT .0000 IN. YT .0000 IN. ZT				AACH - SUPSA COALPA COA	4,530 -5,000 -10,000 -200 -300	PTOTAL - BETA - DBETA - ALGON -	000°.
		₹	0 /96 .	RN/L .	. 39 92 . 39						
	×		2	N.	C.	Շ	C	<b>න්</b>	<b>∀</b> ∪		
		076	300.720	29183	03827	08530	01785	+0000	€60000°		
		.073	400.210	24115	05006	-,07793	02067	00000	.093.5 er.co		
		941.	539.430	-,23F36	100107	2,07581	01100.1	00000	97 FBO		
		582. F	999 130	0.0400. 780kg -	#8590.1 #8590.1	187.0.1	02104	.00001	. 09356		
		6±1.	1300.000	23558	06502	07593	02136	00000.	.09591		
		25. 36.	3 //26 .	PN/L	6.59						
	*		7	ò	ŗ	č	Š	ឡ	3		
	007	400.690	299.500	27816	05323	+S080	02067	00001	69448		
	004	400.630	399.800	- 23742	05629	07613	02213	16500.	60460		
	001	400.400	596.750	24473	05974	07836	05017	<b>0</b> EC 97	58+60°		
	#30	430.520	830.210	23427	054g-	07519	02110	0 ( )	B/ \$60.		
	00 7	400.440	999.790	23178	05439	94470	02151	000	11560		
		9 2	. 98/ 0	ž	60 60 60						
	×	**	2	3	נר <b>ג</b>	Շ	C	195 195	<b>4</b> 3		
	800	900.560	302.970	2404B	07033	07318	02308	10060	18160.		
	800	800.630	400.170	22713	07290	07329	02363	10000.	<del>1</del> 0+60		
	800	900.900	600.810	24306	06462	07759	02097	00000	. 09452		
	008	900.740	830.200	24353	06012	07627	02009	100001-	. 09324		
	909	800.500	999.450	23133	06391	07477	02110	00000	. 04390		
	006	900.820	1300.100	23493	06599	07602	02:38	10060.	C. 260.		
		75 85	0. 99/ 0	BN/E	<b>B</b> .59						

CA .09507 .09471 .09459 .09360

CBL . 00001 . 00000 . 00000 . 00000

CYN
-,02305
-,02435
-,02017
-,02017
-,02136

CY -.07035 -.07051 -.07659 -.07565 -.07565

-.05648 -.07891 -.05863 -.05195 -.05112

CN -, 23333 -, 21395 -, 23884 -, 24372 -, 23753 -, 23557

X 1200,500 1200,900 1200,800 1200,800 1200,800

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			₹	3.EXTERNAL	1413, EXTERNAL TANKITIO) SEPARATING FROM ORB. OF	PARATING FRO	OH ORB. 09		(RUUTE	(REUTER) ( 31 JUL 75	J. 73 .
. SPEF	FEFERENCE DATA SPEF = 2690.0000 SQ.FT. XM9P = LPEF = 1290.3000 INCHES YM9P = BREF = 1290.3000 INCHES ZMRP =	ATA XORRO YHRRO ZHRRO	-	- 1403.0000 IN. XI - 0000 IN. YI - 400.0000 IN. ZI	χ γτ 21			MACH ALPHA DALPHA	94.536 PTOTA 4.536 PTOTA -5.000 BETA -10.000 DBETA -10.000 ALLR	PTOTAL = BETA = DBETA = AILRON =	000.011 000.00 000.8
SCALE .	0010.	9 3 8	C / PC - C - C - C - C - C - C - C - C - C		99.99				000		
	×		2 2		CLA	CY	CYN	- 0000°	CA .09107		

CA .09107 .09308 .09411 .09426 .09331	CA . 09483 . 09359	.09364 .09364 .09554	CA .09340 .09486 .09424 .09351	CA . 09656 . 0948 . 09465 . 09273 . 09353
00000 00000 00000 00000		00000 00000 00000	CBL .00001 .00000 .00000 .00001	CBL . 00000 . 00000 . 00000 . 00000
CYN -,02186 -,02170 -,02132 -,02133	CYN 01978 01979	. 02108 . 02108 . 02111	CYR 02172 02029 02101 02120 02141	CYN - 02542 - 02554 - 02014 - 02138 - 02138
CY -,07226 -,07536 -,07536 -,07531 -,07531	CY 07921 07908	-,07834 -,07561 -,07534 -,07652	CV 07695 08128 07518 07543	. 07153 - 09019 - 08094 - 07673 - 07498
CLM 1.04263 1.05283 1.05289 1.05345 1.05345	6.60 CLM 05282 06:60	05941 06465 06421 06612	CLM 07138 0 234 05371 05982 06381	CLM 06873 07839 06799 06139 06111
CN -, 24306 -, 24506 -, 23493 -, 23458 -, 23458	AN/L CN 2428	23312 23166 23512 23512	CN 23998 22825 24373 24253 23154	CN 23041 24180 24490 23578 23424 23424
2 300.080 399.880 600.420 600.820 999.830	RUN NO. 102/ 0 2 230 300.710	690 600.080 600 800.250 420 999.420 440 1300.000	2 304, 750 396, 210 599, 810 799, 300 899, 880 1300, 700	2 300.280 399.850 601.100 800.970 999.480
X 270.47.0 80.47.1 80.48.1 80.48.1	X X 20.23	400.890 400.890 400.420 400.440	800.780 800.410 800.640 800.570 900.760	KUN NO.  1270.800 1200.700 1201.000 1200.900 1200.900

PAGE 118

( 21 JUL 15 )	C DATA	MACH - 4.530 PTOTAL - 110.000 ALPHA5 000 BETA000 ELEVIR000 AILRON000 Y
LATE DE ANY TO TANKETTO SEPARATINO FROM ORB. 09	REFERENCE DATA	SREF = 2690.0000 SQ.FT. XMFP = 1403.0000 IN. XT LREF = 1290.300F INCHES YMFP = .0000 IN. YT GREF = 1290.3000 INCHES ZMFP = 400.0000 IN. ZT SCALE = .0100

	64 .09149 .10069 .10043	CA .09844 .10133 .09932	CA . 09965 . 10071 . 10032	CA . 10124 . 10096 . 10096
		CBL	CBL 00001 00002 00002	CBC .00000 00001 00002
	CYN -,03022 -,00075 -,00044	#H000 :- #H000 :- #H000 :- #H000 :-	CYN 	CYN 00038 00048 00048
	CV 00079 00075 00032	CY 00070 00056 00070	CY 00121 00051 00081	CY 00022 00073 00060
6.50	CLM 07606 09073 09748	6.59 CLM 09256 09388 09388	8.59 CLM 11593 08969 08953	6.59 CLM 11663 09330 09330
FB/L	CN 48025 46964 45244 45244	CN 47696 47273 45897 45519	CN 45937 459275	RW/L • CN 42082 45660 45356 45370
0 . 194 0	2 600.970 800.750 959.950 1298.100	0. 105/ 0 2 601.370 797.470 999.300	FLM NO. 106/ 0  Z  510 600.640 010 801.460 410 999.640 440 1299.900	70
PCN NO.	x 1.1.133 592. 252.	AUN NO. X 401.620 400.240 400.080	800.510 800.510 800.410	X 1200.400 1206.800 1200.600

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# 1413, EXTERNAL TANKITIO) SEPARATING FROM ORB. 09

### 000.011 (31 JAL 75 PTOTAL BETA BETA ALLRON -PARAMETRIC DATA (RTJT28) 4,530 -5,000 -20,000 .000 MACH ALFHA BOALPHA BELEVTR P - 1403.0000 IN. XT - 400.0000 IN. ZT XMRP YMRP ZMKP REFERENCE DATA SREF = 2690.0000 50.FT. LPEF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100

	CY CYN CBL -,00436 ,00057 -,00003 -,00279 ,00098 -,00006 ,00008 -,00046 -,00001	
6.60	CLM 08533 09357 09970 09922	
RN/L	CN 47165 45.84 45749 45687	
RUN 140. 1117 0	2 562 399.650 022 801.150 177 1000.100 218 1300.100 RUN NO. 1107 0	
ş	x 562 1.022 .177 .218	

CA .09640 .10018 .10048

3						5									9001. 500	
<b>8</b> 5	- 003	- 000	000	00		9	00	٠,	00002	. 00		8	8	00	00002	i
CYN	00415	£1000.	00030	6+000'-		CYN	0036E	00157	.00043	. 00065		CYN	00336	00272	-,00057	13000
Շ	.00461	00206	00066	.00030		Շ	.00853	.00190	00138	00092		Ç	101064	12400	00060	
CL	-,09179	- , 08989	09571	-, 49817	6.60	£,	11127	09416	08893	09797	6.60	ī	S+911.	69101 -	72260 -	
Š	48042	47372	04454	45405	FBV/L	ક	1,44255	47082	-,46755	-,45464	FBN/L .	Ž	1 286	10194 -	- 46786	
7	802.930	800.530	999, 730	1300.000	NO. 109/ 0	7	600.400	B00.260	006.966	1300.600	NO. 108/ 0				200	
×	019	0.00	100 330	400.300	RUN NO.	×	800,600	900 900	800.150	800.870	2	>	יייי ייייי	1301.300	1200 900	200.000

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IA13 SOURCE DATA

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	000°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°								
CATA	PTOTAL - BETA - DBETA - ATERCY -								
PARAMETRIC DATA	4, 530 000 000 000 000 000 000		10 % 10 mg/s		CA .09812 .10149 .09350		CA 10000 100083 110050		CA 10100 10046 10046
	HACH ALPHA BOALFHA BELFVIR		5000 - 50		<b>18</b> 0 (100 (100 (100 (100 (100 (100 (100 (1				CBL 2.00002 00002 00002 00002
			CYN .61327 .01389 .01953		CYN 02167 01840 01914 01914		CYN -,02333 -,01963 -,01963 -,01963		CYN -,02271 -,02091 -,01894 -,01971
			CY -,09347 -,09519 -,0959		.090 <b>0*</b> 090 <b>0*</b> 09387 09387 09387		CY 08559 09248 09304 09177		CY 6355 6356 69281 09283
		8 ₹ 9	CLM 07921 09060 09683	6.58	CLM ng+02 09170 09385	6.58	11364 09736 08891 09764	6.58	-, 10174 -, 10174 -, 09222
	1403.0000 IN. XT .C000 IN. YT 400.0000 IN. ZT	- 7/NH	CN -,47892 -,47314 -,45705 -,45730	RN/L	CN - 47681 - 47735 - 46085	RN/L.	CN 3816 46599 47164 45697	RN/L .	CN - ,42527 - ,45592 - ,45644 - ,45692
	E071	RUN NO. :12/ 0	2 599.830 800.720 999.730 1300.000	RUN NO. 1137 0	2 601.560 797.630 999.240 1300.400	RUN NO. 1147 0	2 600.740 801.400 999.700 1300.100	RUN NO. 1157 0	2 599.840 800,150 899.300 1300.300
REFERENCE DATA	IO.FT. XHRP	3	x 1.2.1- 309 511.	25 X	X 400.090 400.090 400.000	S. N.	800.780 801.100 800.400	S. N.S.	x 1200,500 1200,700 1200,700
REFERE	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES .0100								
	SPEF LAGE BREF SCALE +								

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PAGE 121

.000 .000 5.000

### (RTJ130) ( 31 JAL 75 ) PTOTAL BETA DRETA ALLRON -PARAMETRIC DATA 4.530 -5.000 -20.000 .000 MACH ALPHA DALPHA ELEVIR F 1A13, EXTERNAL TANKIT101 SEPARATING FROM UPB. 09 XHRP = 1403.0000 iN. XT YHRP = .0000 iN. YT ZHRP = 400.0000 iN. ZT REFERENCE DATA SPEF = 2690.0000 50.FT. 1 LAEF = 1290.3000 INCHES 1 BAEF = 1293.3000 INCHES 2 SCALE = .0100

	CA .09364 .10003 .10≥0	;	. 10204 . 10204		. 10021 . 10018 . 09990 . 10168	CA 10156 10059 10059
	CBL 00006 0000€ 00004 00004	;	CBL 00006 00005 00004		CBL 00003 00005 00005	CBL 00002 00004 00005
	CYN 01941 02072 01971 02009		CYN 01760 01892 01971		CYN 01870 01821 01906	CYN 02015 01820 01862 01993
	-,09099 -,09101 -,09281 -,09280		CY -,09792 -,09155 -,09155		CY 09708 09597 09228	CY 09611 09750 09413 09216
6.57	CLM 08196 09759 09799	6.57	CLM 09434 09985 09459	6.57	11211 09538 08792	6.37 CLM 11688 1018* 09167
RN/L.	CN -,47875 -,47253 -,46164 -,46065	RN/L	CN -,47335 -,47469 -,45801 -,45768	FR/L	CN -,43729 -,46832 -,45986 -,45837	CN42631468634586345863
RUN NO. 1197 0	2 599,900 801,480 1000,100 1300,200	RUN NO. 118/ 0	2 602.950 800.710 999.480 1300.200	RUN NO. 117/ 0	2 600.360 800.410 998.960 1301.0001	FUN NO. 118/ 0  2  700 600.340 100 801.340 800 1000.100 700 1300.000
Z 25	x 7.19.1 7.1.155 2.55.	<b>2</b>	X 400.550 400.570 400.230	PCN A	800.400 800.760 800.170 800.930	RUN X 1200.700 1201.100 1200.800

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1A13 SOURCE DATA

## LAIS, EXTERNAL TANKITIO SEPARATING FROM ONB. 09

DATA	PTOTAL = 110.000 BETA = .000 DB€TA = 5.000 AILRON = .030								
PARAMETRIC DATA	635 635 637 657 658 658 658		CA .15730		CA .10922		CA .10:102		ć. 10898
	HACH ALPHA BALPHA	:ુગળુ- -ેગળુક		C 200		68L -,33367		2 000 ° -	
			CYN 63044		CYN -,00056		CYN -,00051		CYN -, 00040
			CY 00044		CY 001₽		CY 00059		CY 0009 <u>G</u>
		6.57	CLM 12979	6.57	CLM 12968	6.56	CLM 12206	6.56	CLM 18250
	1403.0000 1N. XT .0000 1N. YT 400.0000 1N. ZT	RN/L	CN 72993	RN/L	CN 73822	RN/L	CN - 74508	FN/L	CN 74920
		0 120/ 0	2 1297.400	RUN NO. 1217 0	Z 1300.300	RUN NO. 1227 0	2 1300.000	RUN NO. 1237 0	Z 1300.600
NCE DATA	D.FT. XMRP NCHES YMRP NCHES ZMRP	20 NO	x -3.671	3	400.390	S. N.	× 800.330	2	X 1200.800
REFERENCE	2890.0000 SQ.FT.								
	SPEF LPEF SCALE								

# 1A13,EXTERNAL TANK (T10) SEPARATING FROM ORB. 09

(RTUTS2) 1 31 . AL 75

PEFERENCE CATA	SATA								-GAMETRIC DATA	: DATA		
2690.0000 SQ.FT.		•	1403.00	1403.0000 IN. XT				• HO4:	4.520	PTOTAL .	000 00	
1290,3000 (NCHES			00.00×	400.0000 IN. 2T				CALPHA •	900'01- 8'000	9E.4 •	60a.	
.01.30								ELEVTR .	000.	ATLRON .	.990	
								•	000			
	RUN NO. 124, 0	₹ <u>.</u>	0	RN/L .	£.80							
×	ū	7		3	<b>x</b> 10	ò	CYN	ಕ	5			
	80	10.180	180	36975	02873	00100	C3034	<b>6</b> 0000	90160			
	£6.	1.12.5	6.20	0750 <b>6</b>	02315	64030 ° -	75000	<b>3000</b>	92060.			
	327	203.	. 30 . 30	07372	02098	00n <b>38</b>	£ +060 ' -	<b>₹0</b> 000	₹2060.			
	320	309.533	533	<b>₹11,0</b> -	- 02201	- 100030	- 03029	<b>30000</b>	14060			
	+36	399.980	3 <del>8</del> .0	cc883	02463	£+,000	00030 -	. 00005	04060			
	307	60u. 3Fg	\$P.0	£4,50 -	02576	30080	#500C1F	<b>\$0</b> 00 <b>0</b>	09680			

SAEF - 2 LREF - 1 SCALE - 1

123	£ .		000.00																						
PAGE	9 (31 ML	DATA	PTOTAL BETA BETA BETA BETA BAILRON B																						
	(ATJT32)	PAPAMETRIC DATA	4.5%0 -10.000 5.000 .000		CA . 09229	40160°	7,080.	€1080.	7;680.		5	. 10293	. 09535	.03186	. 09150	.09073	<b>C589</b> 0.		ర	0.079.0	£ 360.	1001	.09438	60160	.08938
		_	MACH - ALPHA - OALPHA - ELEVTR - Y		CBL . 00005	¥6000.	<b>5</b> 0000.	+,0000	<b>5</b> 0000 .		퓽	.00005	<b>6</b> 0000.	<b>₹0000</b> .	. 00005	<b>30000</b> .	<b>\$000</b> 0.		<b>1</b>	₹0000	.00005	*0000°	₩0000.	.00005	<b>10000</b> .
	4 ORB. 69				CYN 00017	00038	00037	6,000	0003B		CYN	10000	00023	<b>-</b> .00018	00029	00038	0+000·-		CAN	00178	00104	00037	00017	- 0000S	00032
	NRATING FROM				CY 0002 <b>6</b>	- 00087	#6000°	00057	00081		Շ	00040	00013	₹2000	++000	£.000	00071		Շ	00322	₹100·	00087	00057	₹.000 <b>6¥</b>	00061
	IAI3,EXTERNAL TANK(TIO)SEPARATING FROM ONN. 69			4.80	CLM 03464	02711	02643	-, 02194	02940	4.80	r S	04133	03255	03136	-, 02935	02663	02259	8.90	n o	.00057	01750	46460	03788	03107	02589
	EXTERNAL T		1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT	FN/L	N)	07033	98888	07564	06805	BN/L .	3	- 05340	06561	06118	06955	074年	07308	PA/L	Ž	02717	03105	- 05175	06612	0682R	07357
IAI3 SOURCE CATA	1413		m 00 2	. 125/ 0	2 269	100.150	200.050	398.770	600.050	. 136, 0		0.030	100.290	200.580	299.980	400.700	600.060	0 /21 0		988	99.230	200	301.060	399 900	599.750
1A13		PEFEMENCE DATA	ACHES ZHOP	PUN NO.	× 6	400.540	400.530	400.909	400.550	RUN HÖ.	>	800.680	800.580	800.740	600.800	900.700	800.830	RUN NO.	,	ייטע טטפי	1200 800	000.000	1201.000	1200.900	1201.000
CATE 02 AUG 75		KENTA SK	- 2890.0000 50.FT. - 1290.3000 INCHES - 1290.3000 INCHES																						
3			SPEF LAGF SPEF SCALE																						

PACE 124

(RTJ133) (3) JUL 75 )

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EXTERNAL
1413

, ARAHETRIC DATA	YHGP = 1403.0000 IN. XT       ALDMA = 4,520 PTOTAL *         YHGP =	RUN ND. 128/ 0 RN/L = 4.79		8.036 -, 146+9051570008800054	102.990 - 14943 - 14647 - 1000	199,96014676041400003000042 .00003	305.260 - 14858 - 04054 - 00069 - 000052 - 000052	399 360 - 14716 - 04128 - 00032 - 00052	600.160 - 14139 - 04521 - 00077 - 000049	799,7301389504510009700058	1000.300 - 14095 - 04501 - 0001	RUN ND. 129/ D RN/L + 4.79	Z CN CLM CY CYN FB. CA	43.50 - 18130 - 186383 - 18131 - 498.6	100.200 - 14387 - 05083 - 47000 47000 105083	#0000 95000 - 14000 - #2450 - £4051 - BL2 902	300.150 - 14418 - 10540 105059 - 100043 - 1051.308	398.990 - 14947 - 04351 - 00050 - 00056 - 00003	599.87014662042730006100053	600.0301396304470005000038	1000.300 14186	RUN ND. 130/ 0 FM/L - 4.79	Z CN CLM CY CYN CBI. CA	9.794 - 1.5979	100.300128;v06093000w100030	202.06012989	299, 92013639	¥6000'- 14479 - 164983 - 0008	500.630 - 15103 - 64341	
	0000 IN. YT			Ċ			·							•	•															
				l							-	0 /621 ON I		•							_	1 NO. 130/ 0	2			-				
REFERENCE DATA	SPEF = 2690,0000 50.FT. XV LREF = 1290,3000 INCHES TY BREF = 1243,3000 INCHES ZY SCALE =	A.B.	×		163	18 No.		£12	1. N. 3.	C63	<u> </u>	RA	>	C77	397 007	089 007	0.70° 0.00°	00 ± 00 ±	809 · 808	009.00%	009.004	\$	*	095.008	029.009	900.650	800,660	900.710	800.750	

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(RTUT3	PAGNIETRIC CATA	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CA .07618 .09358 .10064 .09747 .09387 .09237
		MACH ALPHA OALPHA •	.00003 .00003 .00003 .00003 .00003 .00003
84 ORB. 09			CYN - (90.74 - (90.74 - (90.66 - (90.32 - (90.33 - (90.33 - (90.34 - (90.34) - (90.34)
ARATING FRO			. 00.033 . 01.65 . 01.15 . 00.103 . 00.0371 . 00.065 . 00.0660
TATS, EXTERNAL TAUKTTIONSEPARATING FROM ORB. UB		<b>9</b> 6.	- 10440 - 10440 - 10583 - 10583 - 10583 - 10583 - 10533 - 10533 - 1063 -
LEXTERNAL T		1463.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT	62+50 - 103+6 - 1105+6 - 1106+7 - 136-7 - 136-7 - 136-7 - 14-15
		• • • •	11.115 99.104 199.820 302.173 400.210 600.100 739.370
	DACE GATA	50.51. XMBP 1-40-E3 YMSP 1-01-E3 ZMBP RUN HO.	1201.000 1201.000 1201.000 1200.900 1200.900 1201.000 1201.000
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PEFERENCE CATA

SCALE

(RIJISH) (SIJUL PE)

PARAMETRIC DATA

000.00	000										
PTOTAL . BETA .	ATLRON .										
4.520 -10.000	.000 .000		క	.09388	.09305	€8260.	C9353	39318	<b>6</b> 2260	09245	<b>20880</b>
ALPHA .	ELEVTR .		룡	10000	-0000°	≥0000	.0000	¥0000	£0000.	₩0000	+00000
			<b>E</b> 5	00451	0014 <b>8</b>	-, 00068	.00035	69060	-,00033	£ 4000 ° -	\$4200°-
			Շ	75.00.	¥:+000°.	00185	₹\$200`-	€±100'-	00040	<b>82</b> 000 -	********
		4.70	£	104727	04350	04051	03988	- 04307	04572	- 0.518	- 04553
TY .NI 0000 .000 YT .NI 0000 .000 YT .NI 0000 .000 YT .NI 0000 .000 YT .NI 000 YT		- BA/L	ક	16028	15613	89641	~. 1493Z	14670	14333	24141	14346
0.007		RUN NO. 135/ 0	2	10.547	101.890	200.010	966, 990	ଉତ୍ତଳ କର୍	100,130	07. E	330,200
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2690,0000 SQ.FT. 1290,3000 INCHES 3290,3000 INCHES			×								•
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				TAIS, EXTA GOVE TANKITIONSEPARATING THOSE CHOICES. OB	(KIST 4) (SI SI 12 75 3
	REFERENCE	CATA			WORK TOTAL DATA
396	- 2690.0330 SQ.FT		•	TX N1 003. 3000 14 XX	M409 + 19 70 PT V + 80,000
LAEF	1290.3000 INCHES	S YHRP	•	TA 'NI 0000'	000 · * * * * 00 · * * 400.
BREF.	■ 1250 3300 INCH	• dr. 2 S.		700.0000 IN. 2f	000 + Y. 0 00 € 1.4 + 000
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	2	8	<b>8</b> ):	7.	* 5	ليو د
100.460	6.877	14550	- 35781	<b>\$6</b> 596	616.0	6 50
-00 950	126.88	14639	<b>6</b> 20967-	16.53	\$ \$ S	60
400,543	203, 310	853	4.0485B	<b>∂</b> €9	11600	
643.06+	300 650	B0051	16440 -	£6000°	00857	
-00 <b>2</b> 00	450.120	2.15345	0 ポッテロー		1+0000 -	7.00
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460,670	739.810	. i'•''a <b>s</b>	26750 -	**.D(:)	69751	: =
00.70	1600.190	- 14323	- 04565	25000 -	7,000.4	÷.
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390	60 S 10	- 13773	8:32:9: ·	.01153	- 90355	
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600 U.10	- 0 50	04/1-11	1.04241	11800	63167	ņ
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		•		~	ņ	•	***	<b>*</b>		# ~	100		0.000	90 90 11	\$0000°	. 00003	£0000°	.00003
N.O	<b>y</b>	E11 -	- 90355	5 (\$ no	63167	61000 -	\$100	25.00		<b>*</b>	01737	10.80	1,7000	11266 -	±0 ₹0	. 00122	£2,00°+	- 00037
Š	.01268	S64800.	011153	57.50	11500	00387	6*	££000		*3	31316	26500	BE500'	€1600.	57.05.	Ch 0.0.0	+01100-	S. 1.00.1. ~
<b>5</b>	8943	£653	B12211	92075	1.04741	1350~	685	- 04552	8	£	0.41.23	04583	1080°	4.000.1	€38.40.÷	£ 2+3.4	- 04162	ნე გ•გე" -
Z	£61 -	8751	- 13773	5.5	04/.41	1.101.1	642411	*: 2+1 ·-	· 1/85	*3	Ç	7.7	E//11 -	130.8	E:841.	0584	16.5	SEE 41 1
2	30 8.5	Out 0::	05.5.00√	298,940	- 0 50	074.8E>	7.5 <b>3</b> .	1000.300	5. 10/ g	2	名言	101.350	C5/17661	300.280	60 93 <b>0</b>	5.60 Get	62. 638	694 (01.1
×	619 619	P00 590	A∴0 790	610 000	600 C10	<b>9</b> €0 300	600 N 10	600 730	. de ≥2.	×	1239 900	1200,900	006 800	308.00c	1501 300	C 30 . S . 0	001.104	002.10

IAI3 SOURCE DATA
04 TE GO 4110 75

DATE OF AUG 75		1A13 S	TATE SOUPPOE DATA							Ą	PAGE 127
			1413	EXTERNAL 1	IAIS,EXTERMAL TANKITIO)SEPARATING FROM ORB.	APATING FR	OH OHB: 09		(81,0135)	75) (31 JAL	K 73 1
<b>X</b>	REFERENCE DATA	4							PAPAMETRIC DATA	: DATA	
										141010	000
•	2690.0000 SU.FT.		0.5041	1403.0000 IN. XT				F F F	-10.000	F. 74.	000
1865 • 1290.30	1290,3000 PKPES	0	400					DALPHA .	.000	U9ETA -	5.000
•	0010							ELEVIR -	. 000 203. 000	A)LRON	agn.
	•	Re NO.	136/0	• 1/NS	4.81						
	×			8	5	ò	CAN	<b>e</b> S	5		
	•	<u>.</u>	9.483	15638	05058	07257	02387	. 00 <b>008</b>	±1.40°.		
	~.	5	88.88	- 15328	60970 :-	60070	02243	20000	07.000·		
	•	.317	203.730	15551	- 04255	07204	02157	<b>2</b> 00000.	86280		
	•	. 393	302,120	15407	+80+0°-	0727e	oc. ca	20000	1,000		
	•	323	400.000	15182	- 04203	0.07049	celes	10000.	F1660		
	; •	e i	500.220	14399	DC0-7-1	90890° -	- 02196	.00003	. 09217		
	. •	, <u>, , , , , , , , , , , , , , , , , , </u>	133.000	- 14655	+F.C+10	-, 069 <b>26</b>	02201	€0000.	. 09329		
		8	137/ 0	· 1/Ne	£.81						
	•		•	Ž	2	5	3	뼝	ర		
	<b>5</b> 2. × 53.	5	9 690	- 13753	06112	06726	02624	₩0000	. 09301		
	400.500	000	100.170	14622	05036	92690 -	02356	.00003	. 09395		
	400.460	94	200.210	14422	- 04819	v6920	02346	. 00002	.09264		
	400.460	460	296.400	1-14764	04840	07051	02248	-0000°	. 09343		
	044.004	011	399.370	1537	04335	07150	02119	. 00002	00300		
	400.510	510	599.920	14995	04296	·. 06834	02141	20000.	96156		
	400.620		789.920	14390	0.01.00	0697≥	02203	≥0000°.	867.00		
	400 · 660		000.0001	609+1·-	Dec 27.	20.0	. <b>05</b> 66.				
	-	£ ₹	0 /861	PN/L	£.01						
	×		7	8	<del>เ</del> ป	Շ	K.	룡	5		
	900.550	90	86. 66.	13283	06065	0602B	02774	₩0000	.09883		
	800.730	730	100.130	13121	05918	-, 065.31	-, 02559	<b>1</b> 0000	. 09565		
	800.830	630	201.130	- 13135	05321	- 06+08	. 02-37	.00003	. 09367		
	PC0.610	610	289.840	±00±= -	052:0	06597	* 02432	.00003	04260.		
	500.839	630	430.433	1:1957	1,34935	-, 0096 <b>a</b>	-, 5523¥	₹0002.	16850		
	900 950	950	600,673	134:8	66240	07339	02093	₹0000.	17160.		
	900°	7,50	799 790	- 14802	04273	<b>8</b> 3690 -	大(25)-	20000	01460		
	096 CUO		0000001	<b>8</b> 6941 '-	°. C≈ <b>536</b>	E 6660 -	£16/3	₹0000.	.09333		

# 1A13,EXTERNAL TANKITIOISEPARATING FROM DRB. 09

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SARANETRIC DATA

90,000 .000 5,300 363

DATA	
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	2000 0000 0000	9.	TX . NI 0000 EGY	• • JY1	ç	PIOTAL -
	(AEF = 1290, 3000 INCHES	. 2	YF690000 IN, YT	ALIMIN .	-10 600	ALESTA 10 6.30 BETA -
	1290, 3000, INC	• &	400.0000 IN. ZT	DALPHA .	चित्रके वित्रके	* * *
SCALE	00100			ELEVIR .	7	A16. GR 4
				• >-	C 7 00c	

## RUN NO. 1397 0 RN/L + 4.81

<b>₹</b> ÿ	09134	18501	10074	06560.	. 09336	. 09156	. 69263	9260
<b>#</b> 5	<b>6</b> 0000	20000.	.0500.3	\$ 6000	. 6000	£ 0000°	<000°	00000
NA.	00833	01870	02±02	064.001	0< 338	02216	P0170	02207
Ç	<b>5</b> €600.∼	<b>5</b> +9-7	05904	06393	0659 <b>6</b>	05933	07112	H 830'-
SCN CN	03413	04113	05516	0578N	0527	04728	04138	- 04399
3	11939	12601	11510	12775	13936	148*7	15073	- 14538
7	10.595	960 ' 16	198.130	301.270	400.250	600.000	799.430	1000.300
×	0.500	1.100	1201.900	0 800	0.900	1.000	1.100	1,200

# TATELEXTECHNAL TANK (T1915)EPARATING HROM ORB, C9

(31,000 (31,000 /5 )

PIRESENS CALA

### REFERENCE DATA

- 2690.0000 SQ.FT.	CE X	•	1-03.0000 IN. XT	• * * * * * * * * * * * * * * * * * * *	4.520	PIGCAL .	60, 60
. 1290.3000 INCHES	Y MAG	•	YHRP = .0000 IN. YT	◆ You'ly	-10.000	BE TA .	000
BREF + 1290.3000 INCHES	<b>Q</b> ₩.7	•	ZMEN . 400.0000 1M, ZT	• WK ?	000	. A1360	5.200
00:00				₹ <b>61</b> 12	000	ATTENN .	000
				• -	000		

## ALM NO. 143/ 3 RN/L # 4.81

103,410 - 15696 - 14973 103,410 - 15646 - 14596 300,130 - 15382 - 13399 397,860 - 15382 - 13399 397,860 - 14950 - 14524 799,860 - 14381 - 14525 1000,300 - 14612 - 14530	C0000' <b>03010'- 100</b> 20'-	\$0000 <b>98</b> 0000	-,0728802132 .0000a	070550280% .00008	05930n22885 .00001	58160. 50000. 50550 55594	CF537 2219 .00002	0 1950 02556 00002
103,410 103,410 107,240 300,190 307,600 600,720 1000,300								

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(3) JUL 75 )		900 000 9000 °																												
	DATA	PTOTAL BETA DBETA A1LRON																												
(ATJT36)	PARAMETRIC DATA	000.01-	;	.09378	.09382	.09307	. 09333	09123	.02217	.09328		ర	. 10453	. 09825	70 <del>4</del> 60.	.0936)	#1260.	94160	52160.			۲۵	<i>97110</i> .	.09522	11631.	C. 150	#12 SE	C: :: :	C. Se	
		MACH ALPHA - DALPHA - ELEVIR - Y	į	ເສດ . ວວວວ <b>ຣ</b>	.0000	.0000	.00003	. 00002	.0000	20000		풙	\$0000°	£0000.	. 0000e	. C0005	≥0000.	20000 ·	30000			<b>6</b> 5	£00.00°	20000.	£ 0000	<b>2</b> 0000.	20000	£0000°	20063	
25 ONB C4			į	02121	02083	02083	02075	02229	02507	02244		3.	02625	02369	02265	02082	02125	91150	02270			K.	16元10 -	10 X 20 -	<b>£</b> 9.3	<u> </u>	£. 120 -	₹1.00	₹. €	
PARATING FR			;	7. 783. I	-,07899	07634	7447	-, 05890 -, 05890	06970	57060		Š	07835	07436	~.07833	07790	07472	07106	07CP0			Շ	05657	B 850 -	- 05846	- 07%53	07735	967/01-	28122 3	
TALS, EXTERNAL TANKITIO) SEPARATING FROM ORB. 09			±.91	CLM 06393	05059	04693	04538	04309	-,04407	04500	18.4	<b>ਮ</b> ਨ	5173	02835	05403	05096	04832	55.40.1	- 04482	ğ		¥1ວ	01175	±6800.∼	£0:50'-	05-301	13351		90 I 7	
3, E KTEPNAL		1403.0000 IN. KT .0000 IN. VT 400.0000 IN. ZT	- 1/NE	CN 14357	16641	14698	15103	- 13483 - 14813	+355+1	524417-	FRN/L .	ક	12561	13334	- 1304k	10 J	:5023	-, 153:18	14503	, ,	ر څ	3	E \$760 -	-1843	5537	5. 16" AS	¥	\$170	* . *	
IA1				2 873	100.000	200.120	301.270	600.220	799.730	1000.200	0. 1417 0	2	9.305	88 : 63e	200.150	238 320	409.230	599.310	1000.500	ò		7	10.778	0.46.001	O. (A.	?. r v()		SE 08	7 to 1	9.0
	REFERENCE DATA	SALF + 2690.0000 SQ FT. XPHP LPEF + 1290.3000 INCHES YPHP BPEF + 1290.3000 INCHES ZPRP SCALE +	ALM NO.	997 007	067.007	084.004	010007	00.007	099.004	9.580	RUN NO.	×	600.530	0,5008	900.700	960 . 380	099, 560	355. 730 355. 335	900.790 900.790	\$ 4 a a a a a a a a a a a a a a a a a a		×	00L 'FB'.	008 Gr 11	007 007	00+ €		C. W. C. 48.	ř.	

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1 088, 09 CRU1871 (31 JUL 75 )	PARAMETRIC DATA	MACH . 4,740 PROTAL .	ALPHA10,000 007A	CALP: 3.690 DBETA	ELEVIR + 000 AHINGN	000 · • A
IAIB, EXTERNAL TANK (TIDISEPARATING FROM ORB. 09		1403.0000 IN. XT	.0000 IN. YT	400.0000 IN. 21		
		•		•		
	< <	<b>2</b>	Y	des Z		
	REFERENCE DATA	2690.0000 SQ.FT.	1230.3000 INCHES	1290,3000 INCHES	.0100	
		385	5	BAEF	₹25	

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<u>8</u> .		1.24447	05304	00110	00074	€0000.	<b>:</b> ::0::
<b>2</b> 6.		23122	36309	00115	30050	.0000	Section.
331		23911	06065	-,00135	-,00065	10000.	.09596
188.	600.190	22958	05395	00148	910001-	.00000	16600
. 342		22680	06400	00138	-,00078	50000	87.490
378		22820	06490	00093	00076	<b>50000</b> .	.09627
1.613		23489	05659	00137	00075	S-C00.	.03578
RUN NO.	NO. 145/ 0	RN/L	₹.82				
×	2	3	r.	Շ	ζ	ਹੈਂ ਹੈ	ర
400.450	196.750	23307	06619	++100	00058	1006	.09550
400.540	300.220	220.7	07085	0.100	-,00051	Q.	.09583
400.550	397.530	22924	-,06749	00114	+2000	20000	.09595
400.560	599.800	23981	06028	00107	00058	. 000 <b>02</b>	.09456
400.430	799.840	22742	06358	03115	-,00056	0.0 <b>01</b>	62+60·
400.710	1000.500	22948	06501	<b>-</b> .0008*	00056	20000	51960.
400.690	1300,500	23329	-, 06526	00113	00066	50000	. 09613

### ₹.82 - Y RUN ND. 146/ 0

<b>ਭ</b>	.00003	£0000.	.00003	. 30002	. 00002	.00002	₹0000.
CYN	00068	-,00055	-,00039	0005B	00065	- · 00000	30075
<del>ر</del>	00165	00140	00191	00100	00134	00113	00132
2	07824	07739	07437	06571	05990	06475	06594
3	20078	-,20140	21928	23507	23760	-, 22921	23243
Z	200.370	299,950	400.300	600.820	799.910	999,950	1300.000
×	900.520	800.620	900.800	800.890	800.780	800.810	800.800

CA .09578 .09670 .09612 .09512 .09512

### 4.85 PX/L • RUN NO. 147/ 0

ర	.10271	. 09892	.0962	.09439	÷1960.	84560.	19450.
CB.	€0000.	.00003	.00003	€0000.	-0000	€0000.	20000'
CYN	00077	00061	-,00031	00045	00059	00061	00057
Շ	00162	¥5100	00137	00143	00117	00117	66000
C.M	05999	08043	08032	07049	1,583.7	08120	06307
3	1887.	18524	20072	22695	23487	23880	-,2309+
2	200,400	301.330	401.150	600.360	799,660	1000.100	1300,333
×	1201.000	1201.100	1200.800	1200.800	1200.900	1200.900	1201.000

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ALC 75	141 <b>3</b> S	IA13 SOURCE DATA							PA	PAGE 131
		IAI	I, EXTERNAL	IAI3,EXTERNAL TANKITIOISEPARATING FROM ORB. OB	PAPATING FRC	# ORB. 09		(RTJ138)	8) (31 JUL	ال 13 د
REFERENCE DATA	Į.							PARAMETRIC DATA	DATA	
2690.0000 SQ.FT. 1290.3000 INCHES 7290.3200 INCHES	de de la companya de	E041	1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				HACH ALPHA BOALPHA BELEVTR	4.520 -10.000 -10.000	PTOTAL = BETA = DBETA =	000. 000. 000.
	PUN NO.	149/ 0	BN/L -	4.82						
×		7	ક	G.H	CY	CYN	CBL	C.¥		
	.123	300.630	38256	09329	00113	00046	10000	. 09922		
	337	800.140	34428	07589	00123	+7000.−	.00001	.09812		
•	330	799.910	32877	080.74 - 0820.6	-,00111	00073	10000	.09983		
	.212	299.900	-,33603	08346	00070	00065	.00001	80660.		
	75 75	RUN NO. 149/ 0	RN/L	4.82						
×		7	3	ਝੌ	č	CYN	<b>8</b>	3		
1003	400.560	299.800	34095	07851	00145	00051	00000	.09858		
.00+	400.600	400.020	31143	09329	00127	-, 00044	. 0000Z	.09913		
400,370	370	599.660	-, 33740	08071	-,00077	-,00060	. 0000	.09830		
940.540	340	739.540	33980	07533	00091	00064	00000	.09780		
069.004	_	000.500	33116	08193	00071	00059	.00001	. 09927		
400.710	_	300.600	33513	-, 08351	00065	can ea	. nnnn .	ocean.		
	PC 16	150/ 0	# #1 25 12	4.82						
*		7	3	E.	Շ	C	85	క		
800.420	420	302.160	28131	-, 09834	63155	0006 <b>6</b>	€0000.	<b>40</b> 260.		
800 . 640	6+0	399.710	28633	10159	00158	05000 -	.00003	.09903		
800.780	780	600.760	32509	10880.	00146	1.0000	10000	60/60.		
010.008	018	900.640	1/856	-,07726	- 00113	00063	00000	10960		
900 . 190		1299.800	-, 33278	08228	00108	00071	.0000.	.09868		
	₩ ₩	151/0	• 1/NE	4.82						
×		7	ટ	Σ C	Š	CYN	륈	ర		
1200.800	500	300.540	₹175.+	- 00980	-, 00173	#5000 F	<b>20000</b> ,	10561		
1200,600	600	490.230	1.25927	10%37	-, 00163	-,0000-	.00003	. 0395 <b>9</b>		
1231.000	000	951 950	50728	16:60	00102		00000	60645°		
1200.953	9.0	90,080	- 32762	- 04304 01010	-, 00158	- 09.	10000.	92.4 C. C.		
002: .ec.	500 500 500	030.303	3,1939	- , n 7850 - , n 7850	50.000.1	9 4 10 1 20 1	00000	04763		
1201.600		1300 130	~ 33119	04.160	00086	r 6-3	160001	00/50.		

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600.0 600 600. (87.012.3) (31.00, 75.) 210714 - 000874 - 000 PIBANETRIC DATA 4,520 -(0,500 -(0,500 -(0,000 -(0,000 HACH ALPHA DALPHA ELEVTR T 1A13, EXTERNAL TANK (T10) SEPAGATING FROM ORB. 09 . 1403.0000 IN. XT .0000 IN. YT . 400.0000 IN. ZT SHIPS REFERENCE DATA SPEF = 2690.0000 SQ.FT. )
LREF = 1290.3000 INCHES )
BREF = 1290.3000 INCHES 2
SCALE = .0100

		919	5.0	ឆ្នំ	63	53	47			50	88	87	36	99	8 <b>8</b>			20	33	00	<b>9</b>	59	ž			=	30	÷	00	ć.	<b>1</b> 20
	· <b>X</b> 3	0.6910	გინგ ს :		•	09359	0969.		5	03:50	03383	<b>6</b> 2860.	<b>91.36</b>	. 09866	. 09886		5	03860	. 09933			69860	£860.		5	16501.	08630	7+860.	00860	2860.	38780
	ත්	000	. 00.	.00.	.00001	.00001	2000a		ار د.	1001	. 13000	00000	00000	10000	1001		r.o	50000	<b>-06</b> ⊕0.	.000 <b>02</b>	.00000	00000	10000.		ඡ	.00003	.00003	10000	10000	00000	10000
	<i>₹</i>	00123	00179	09000.	00061	00064	00037		CYN	00475	00553	00119	.00035	00075	1.00071		CYN	00384	00452	00316	<b>-</b> .00079	09003	-, 90089		CAS	.00147	00433	00345	00231	00059	00072
	Շ	60279	06000	00374	00023	000≥€	00034		Շ	+5600.	69600.	-,00059	-,00184	-,00059	00128		5	.01671	44410.	47500°	9,000	00208	00127		5	.0155F	.02110	81600.	. 00238	<b>56</b> 300	00071
4.83	5	06398	07707	07692	08168	08270	08407	4.83	2	08051	08631	07873	07673	08221	08350	4.83	C.	₩9660'-	10017	08297	07663	+1870	08228	4.83	C.H	08020	-, 10447	09439	08109	07767	08190
RN/L .	ž	37141	34600	- 34439	-, 33220	. 33279	3386.9	BN/L -	ટ	35212	33772	34715	34020	-,33159	-, 33574	RN/L	ક	-, 29698	30471	-, 33655	EX 150 -	35807	-, 33325	P81/L •	ቼ	28947	-,29098	31903	33818	34282	-, 33312
RUN NO. 155/ 0	2	300.350	+00.130	600.300	799.870	1600.200	1300.500	RUN NO. 1547 0	~	300.600	400.890	600.820	799.900	939.800	1300.400	RUN NO. 1537 0	7	303.240	398.710	599,890	799.600	1000.200	1300.400	RUN NO. 1527 0	2	296.810	399.463	600.810	800.390	1000,200	1300.300
ş	×	.215	***	E0+.	.338	350	.507	26	×	400.370	430.550	400.550	400.630	400.350	400.180	\$	×	6.0.850	800.590	830.650	800.660	800.950	800 . 850	2	×	1200.600	1200.700	1201.000	1200.900	1200.900	1201.200

n+{1<sub>4</sub>

£ 133	- R		000.00 000.00 000.000				
PAGE	0) ( 3) JAN	DATA	PTOTAL • BETA • DBETA • ALLPGN •				
	(410149)	PARAVETRIC BATA	4,520 -10,000 -10,000 -10,000	CA . 09438 . 09874 . 09718 . 09880	09844 09888 09764 09708 09888	CA . 09586 . 09837 . 09789 . 08785 . 09783	40 90000 84460 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			MACH ALPHA - CALPHA - FI EVTR -	100003 - 100003 - 100000 - 100000 - 100000 - 100000 - 100000 - 100000	10000 - 000000	CBC . 000001 . 000001 . 000001 . 000001 . 000001	600.00.00.00.00.00.00.00.00.00.00.00.00.
	M CRB. 09			CTN 01972 02171 02037 02033	CYN0232002406020130197002150	CYN -, 02-34 -, 02-34 -, 02-94 -, 02-01 -, 02-003 -, 02-003	E 8 9 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	MRATING FRO			CY -,02576 -,08229 -,08493 -,08176 -,03311	CY -,07635 -,08319 -,08433 -,08344 -,08344	CY 08608 07018 076418 06428 08413	0.7 - 1.0 -
	1413,EXTERNAL TANK(T10) SEPARATING FROM CRB. CB			4.82 CLM 05678 08200 09179 09170	CLM 07982 09216 08084 07549 08190 08328	09375 109375 108766 07383 07738	01.1807 - 5080.0 - 60.50 - 7 50.50 - 7 50.50 - 7 50.50 - 7 50.50 - 7
	S.EXTLANAL 1		.0000 IN. XT .0000 IN. YT 0000 IN. ZT	CN - 33644 - 33408 - 33408 - 33408 - 33408 - 34781 - 3	CN -, 34828 -, 34875 -, 34879 -, 34879 -, 33589 -, 33995	CN - 29812 - 29426 - 33263 - 33263 - 34402 - 35733 - 35733	CN - 255372 - 56913 - 3,9913 - 7,4329 - 7,4329 - 1,33691
IA15 SOUPCE DATA	[14]		E 000 F	2 300,480 400,170 500,080 800,030 999,500 1300,000	2 299.890 400.060 599.110 799.560 1000.400 1300.600	2 301.390 450 399.800 940 890.870 820 800.870 780 989.890 310 1899.800	2 300,450 400,350 601,377 601,377 601,300 601,000 601,
IAIS		PEFERENCE DATA	SQ.FT. XHRP INCHES YHRP INCHES ZHRP	× × 9 × 9 × 9 × 9 × 9 × 9 × 9 × 9 × 9 ×	400.570 400.570 400.480 400.480 400.660 400.600	0.181008 0.181008 0.811008 0.80000 0.80000 0.811008 0.811008 0.811008	Coc 1002 005 8 - 1
4.00 75		PE FER	C890.0000 SQ.FT. 1290.3000 [NO.ES 1290.3000 [NO.ES				
DATE 02 4UG 75			SCALE				

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REFERENCE DATA

1413, EXTERNAL TANKITIO) SEPARATING FROM 1891. 09

151 Hotel

144 J. 1816 Day

1290, 300 1404ES 7489 1290, 301 1404ES 2489 0100		.0000 IN. YI				ALPYA - DALPHA - ELEVIR - Y	**************************************	* NON 11 *
S. N.	RUN ND. 1837 0	RN/L .						
×	2	3	£	<b>⊁</b> 5	S	<b>8</b>	in an	
	300.360	38291	06064	06517	16610'-	100	у. Э	
375	399.970	34550	07920	-,06890	01853	÷.	156.5	
68 <sup>4</sup> .	600.330	34927	07504	15260'-	02085		<b>6</b> 0 - 0	
86√2.	800.070	33545	08100	58401	02360	7.00	10,890	
€14.	1000.300	33689	08247	16489	02106	100,00-	57.860	
500	1300.600	多三年.	0935 <b>6</b>	+7.480	05073	(CCC)	93360°	
<b>S</b>	RUN NO. 1827 0	RN/L	18.4					
×	7	3	بر م	Ç	CAS	<b>9</b> 55	,	
400.230	300.690	35058	-,07980	09130	01966	50%67	.09879	
100.640	401.640	33010	08975	09463	01746	g	S-8€0.	
400.640	600.910	34963	07964	08726	*.01918	167671	. 09733	
400.430	799.900	34470	07568	08333	€9020	-, 00001	. 09647	
0.00.540	999.740	-,33519	08168	08430	02080	066.30	. 09815	
<b>400</b> .790	1300.500	33877	08319	09455	02033	-, 6u001	.09829	
A NOW	RUN NO. 1817 0	PN/L	£.9					
×	2	8	r U	Շ	C	ą.	₹.	
024.008	300.340	28%72	09882	08727	02300	100001	.09716	
300.580	398.420	29265	10109	09025	02060	<b>5</b> 0000.	.09816	
900.780	600.680	33468	08+86	4.08944	01852	00001	81760.	
900.620	799.700	34430	07674	08577	01352	00001	.09733	
800.870	1000.100	34158	07697	08390	02079	00001	.09763	
0175 000	1300.500	33670	08183	08419	-, 02069	10000'-	72760.	

.10316 .09801 .09782 .09705 .09825

CBL -.00001 .00000 .00000 -.00001

CYN ..02489 ..02556 -.01939 -.01991 -.01991

CY -.08063 -.08966 -.08911 -.08611 -.08615

CLM -.08585 -.10485 -.08183 -.07745 -.08121

CN -.27558 -.26690 -.31609 -.33758 -.34580

2 300.550 356.940 600.550 800.270 1000.400 1300.200

X 1200.800 1200.600 1201.000 1201.000 1201.000

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IAI3 SOURCE DATA

DATE 02 AUG 75

IAI3, EXTERNAL TANK (TIG) SEPARATING FROM ORB. 09

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(RTUTYE) (31 U.L.

PTOTAL •
6ETA •
DBETA •
A1LPON • PARA: ETRIC DATA 4 573 -10 0.0 -20.03 -0.03 -0.03 SALPHA = ELEVTR = MACH ALPHA TX .N1 0000.00+ + 9843 7Y .N1 0000.00+ + 9845 TX .N1 0000.00+ + 9845 REFERENCE DATA 2690,5000 30,FT. 1/90 3000 1×C € S 18√3,3000 1 €/0.5 SCALE .

- C0003 CYN -.00059 -.00081 -.00071 -.00236 -.00241 -.00196 00001.1 1.1000 CN -. 50302 -. 58735 -. 59065 # JVAB ACM 16. 1547 9 802.350 999.520 1299.000 <u>9</u> . 572.-

CA .10498 .10603 .10572 .10605 .10638 CBL -.00003 -.00004 -.00003 CYN -,00065 -,00073 -,00064 -,00**218** -,001**76** -,60220 -.11368 -,11501 -,11559 18.4 CN -.56864 -.80234 -.59063 - 1×8 RUN NO. 165/ 0 2 798,490 999,820 1300,800 400.680 400.180 400.720

CBL -.00002 -.00004 -.00004 CYN -.00048 -.00065 -.00077 -.00249 -.00231 -.00170 0.17558 -.11233 18.4 -,56784 -,59692 -,59492 - '-\<del>}</del> RUN NO. 166/ 0 900.460 1000.700 1299.900 800.510 800.700 800.640

CYN -.00070 -.00049 -.00061 CY -.00&10 -.00239 -.00171 -13818 -11961 -10769 18.4 - 3**3782** - 59075 - 60189 PN 1 PUN NO. 167/ 0 2 800,070 1000,600 1299,900 1200.500 1200.800 1200.800

CA .10580 .10637

CBL -,00001 -,00004 -,00004

.10565 CA . 10571

OF POOR QUALITY

In it

(97,01-3) (31,00L.75)

RANKERRIC DATA

000. 000. 000.						
PTOTAL •  08 TA •  08 TA •  08 TA •						
7, 3,0 -10, 20 -20, 20 -20, 3 -20, 3		7.4 1.0597 1.05674		CA .10594 .10529 .10595		.10621 .10635
MACH . ALPA . OALPAA . rLCV7R .		3		#600001 #000001 #000001		C9L 00003 00004 00003
		CYN .00085 -,00090		.00271 .000084		CYN 00536 00157 00051
		CY -,00438 -,00129		.00206 00383		CY .01027 .00090 00260
	4.83	CLM -,10353 -,11327 -,11631	4.82	CLM -,10499 -,11499	4.82	CLM 11802 10519 11211
000 IN. ST 000 IN. YT 000 IN. ZT	RN/L .	CN 60788 59035 59236	RBW/L .	CN -,60321 -,60434 -,58991	RN/L .	CN -, 56598 -, 60220 -, 59333
	0. 171. 0	2 801.570 988.590 1300.600	0. 1707 0	2 80 <b>0</b> .790 899.700 1300.400	0 /691 0	Z 800.190 999.990 1300.100
98EF = 2690.0000 50.FT. XY56P LREF = 1290.3000 INCHES THE BREF = 1290.3000 INCHES ZY578 SCALE = .0100	3. 3.2	450° 450°	RLN K	089.00+ 084.30+ 084.30+	RUN ME	X 0.00 ዓ.00 0.00 ዓ.00 0.00 ዓ.00
	### 1900.0000 SQ.FT. XM5P = 1903.0000 IN. CT	### 1403.0000 1N. CT ALP4A - 1,050 PTCFAL - 53 PTCFAL - 53 PTCFAL - 53 PTCFAL - 53 PTCFAL - 53 PTCFAL - 53 PTCFAL - 54 PTCFAL - 1,000 IN. YT ALP4A - 1,000 SETA - 1,290.3000 IN. ZT DAUPHA - 1,000.00 SETA - 1,290.3000 IN. ZT SETE - 1,000 IN. ZT SETE - 1,000 OUT SETE - 1,000 OUT SETE - 1,000 OUT SETE - 1,000 OUT SETE - 1,000 OUT SETE - 1,000 OUT SETE - 1,000 OUT SETE - 1,000 OUT SETE - 1,000 OUT SETE - 1,000 OUT SETE - 1,000 OUT SETE - 1,000 OUT SETE - 1,000 OUT SETE - 1,000 OUT SETE - 1,000 OUT SETE - 1,000 OUT SETE - 1,000 OUT SETE - 1,000 OUT SETE - 1,000 OUT SET - 1,	### 1990.0000 SQ.FT. XY56P - 1403.0000 IN. TT	### 1403.0000 1N. CT	## HACK - 1403 0000 IN. TT 1290.3000 INCHES	##CSH   XYFFP = 14-03-0000   IN. CT   ALPNA   14-03-0000   IN. CT   ALPNA   14-03-000   IN. CT   12-90.3000   INCHES   ZYFFP = 4-00.0000   IN. ZT   CN   CLM   CY   CVN   CBL   CN   CLCVR   CBL   CN   CN   CBL   CN   CN   CBL   CN   CN   CBL   CN   CN   CBL   CN   CN   CBL   CN   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CBL   CN   CDC   CDC   CBC
CA .10609 .10657 .10516

CBL -.00001 -.00003 -.00004

CYN -.00448 -.00366 -.00062

. 00259

сся -,13556 -,11515 -,10730

CN -. 55095 -. 59398 -. 60554

2 800.520 1000.700 1300.300

x 1200.700 1201.000 1201.000

RUN NO. 168/ 0

IAI3 SOUNCE DATA DATE 02 AUG 15

PA0E 157

(875)749) (31 JUL 75 ) TALISTENTERIAL TANK (TID) SEPARATING FROM ORG. OR

	000.00 000. 2.000 0000.								
DATA	BETA								
PAPAMETRIC DATA	10,320 -10,320 -20,632 -3,633		CA .10475 .10811 .10654		CA .10577 .10552 .10629		CA .10608 .10649		CA .10598 .10649 .10508
	# # # # # # # # # # # # # # # # # # #		CRL 00006 00005		CBL 00006 00007 00006		CBL 00004 00006 00006		CBL 00003 00005 00007
			CYN - 01835 -,0;988 -,0;993		CYN -,02044 -,01878 -,02011		CYN 52280 01994 01955		CYN 02324 02173 01888
			cv -,10356 -,10125		CV -,10010 -,10323		CY 09449 10242 10243		CY 09023 09628 10334
		18.4	OLM 10437 11268 11510	<b>.</b>	CLM -,11468 -,10323 -,11550	16.3	CLM 12455 11191 11065	4.91	CLP. 13825 1.875 10763
	14.00.0000 IN. YT 15.00.000.00+ 17vi 0000.00+	BN/L .	- 59398 - 59398 - 59398	FW/L •	CN -,59459 -,80528 -,59414	RV/L .	CN 57425 59951 59709	FN/L -	CN - 54294 - 58659 - 60513
	• • •	RUN NO. 1727 0	7 803.080 889.380 1300.300	RUN NO. 1737 0	7 798.000 999.910 1300.800	RUN NO. 1747 0	2 800.530 1000.500 1299.700	RUN NO. 175/ 0	2 800.060 1000.700 1300.000
REFERENCE DATA	2990,0000 50,FT, XHRP 1290,3000 1N2/ES YHRP -290,3003 1A2 ES ZHSP -0100	X 108	₹ ₹ 80 80 ×	ACN NO	X 400.710 400.250	N.W.	800.610 800.730 800.73	ON NO	X 1200,400 1200,900 1200,800
	9967 • 3369 5687 • 3263 50887 • 3088								

SRAMETRIC DATA	MACH   4.520 P-074L   80 ngo   90 ngo	FUM NO. 179/ 0 PH/L . 4.81	2 CN 802.260 50683 897.890 59452 1300.800 59452	PUN NO. 178/ 0 FBVL * 4.81	2 CM CLM CY CYN CBL CA 0 e00,750 -159753 -11172 -10782 -101729 -10177 10563 0 699,810 -160427 -110421 -110240 -101546 -160597 110548
REFERENCE DATA	2890.0000 90.FT. 1290.3000 INCHES 1290.3000 INCHES	ă*	x 011. 338. 573.	δť	X 400.860 400.160

.10594 .10520

CSL -.00003 -.00005

-.02005 -.01778 -.01908

cy -.10669 -.10381

CLN -.13856 -.117v7 -.10750

CN -.54297 -.59086 -.60792

2 800.080 1000.700 1300.309

x 1200.500 1200.900 1200.900

CA .10605 .10624 .10483

1.54 -,50004 -,00006 -,00007

CYN -,01668 -,01825 -,02020

CY -.11024 -.10326 -.10223

CLM -.12093 -.11102

CN -.57644 -.59809 -.59581

2 800.280 1000.100 1300.300

x 800.230 800.620 800.790

FR/L

RUN NO. 177/ 0

4.81

REVL .

RUN ND. 176/ 0

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	IAIB, EXTERNAL TANK (TID) SEPARATING FROM ORB. OB						
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OATE OF AUG 75			*14		• 1250.3000 INCHES		
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á			3	8	BREF	SCALE	

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PTOTAL •
BETA •
DBETA •

000.01-000.01-000.05-

(ATJT48) (31 JUL 78 )

PARAMETRIC DATA

	(RTJT47) ( 31 JUL 7
CA .11190	(RTJT47)
C9L 00007	
CYN 00080	IAI3,EXTERNAL TANKITIOISEPARATINO FROM ORB. 09
CY 00274	PARATINO FR
CLM 14868	TANK(T10)SE
CN - , 88200	3,EXTERNAL
2 1298.900	14.
* -: -887	

RUN NO. 180/ 0

JE 73 )		80.000	סיק.	000	.000
(RTJT47) ( 31 JUL 75	SATA	PTOTAL .	-21.000 BETA .	DBETA =	AILRON .
(RTJT	PARAMETRIC SATA	4.520	-21.000	6.000	000
			•	•	•
		<b>M</b> CH	ALPHA .	1	ELEVIR .
1A13,EXTERNAL TANKITIOISEPARATING FROM ORB. 09		= 1403.0000 IN. XT	.0000 IN. YT	400.0000 IN. ZT	
		•	•	•	
	<u> </u>	X	SH'A	2743	
	REFERENCE DATA	2893,0000 SQ.FT. XXX	1290.3000 INCHES	1290.3000 INCHES	.0100
		•	•	,	
		138	CRES	BREF	SCALE

	5	. 09605	. 09563	₹6 <b>₹60</b> ·	04460.	64460	04560.	. 09612	.09526		ర	109647	8+560	10560	12.460.	E1-60.	14560	.09493	X260
	g	. 00 <b>002</b>	£0000.	.0000	.0000	.00003	-0000°	<b>2</b> 0000.	<b>2</b> 000 <b>0</b> .		<sub>ල්</sub>	£0000.	<b>30005</b>	-00000	.00003	10000	10000	€0000.	50000.
	C N	00035	00039	00052	00059	00067	00070	00066	-,00057		CYR	00055	00654	00042	0.00040	<b>9£</b> 00.11.	53	- 3006-	+8000
	ઢ	00133	00119	00095	00117	96000	00094	₹6000	00078		Շ	00191	00187	00159	00112	66000'-	0007 <b>0</b>	-,00094	00095
¥.88	5	-,07069	76730	06428	06034	05831	06313	06450	06486	4.82	5	07585	0740 <b>6</b>	0719	0574B	06376	95900	06357	05418
- 1/N	3	21362	21865	- 35.569	23005	22754	15615	22313	22549	FW/i.	3	18590	19183	20514	21751	22352	22771	20275	22332
0 /181 0	2	14.012	102.570	200.950	300.630	339.910	€09.640	026.66/	999.590	. 1827 0	2	12.249	100.000	197.330	289.650	430.280	599, 190	930,500	1000,400
ACN NO.	×	š	878	.387	014.	Ŷ	.597	£43.	. 383	8 X	×	₩00.680	400.550	400.4E0	084,004	406.860	460,770	400,770	CER. 00×

IAIS SOURCE DATA

DATE DE AUD 75

		141	3,EXTERNAL	T.WK(T10)SE	1A13,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09	OH 088. 09		(RTJP)	(RTJ047) (31 JUL 78	ر 16 م د 16 م
REFERE	REFERENCE DATA							PARAMETRIC DATA	: DATA	
SAEF = 2690.0000 SQ.FT. LAEF = 1290.3000 INCHES BAEF = 1290.3000 INCHES SCALE =		XX50 = 1403.	1403.0000 IN. X7 .0000 IN. YT 400.0000 IN. ZT				MACH ALPHA - DALPHA - ELEVTR - Y	000 H 000 H 000 H 000 H	PTOTAL # BETA * 0881A * ATERSM *	000 000 000 000
	Ş	RUN NO. 1837 0	FN/L	8.						
	×	7	3	5	5	CYN	<b>ಕ</b>	క		
	900.710	10.512	11873	05483	00248	6×100 · -	.00000	09760		
	801.040	102.470	14777	07181	00201	00120	.00003	90101.		
	800.840	200.450	17442	07772	00217	00069	.00003	. 09830		
	800.900	239.800	19335	07564	00223	000+3	£0000°	65460.		
	800.760	400.470	20825	07289	00168	00047	<b>₹0</b> 000.	. 09388		
	800.850	600.310	22317	05417	000 <b>97</b>	000%	50005	.03518		
	800.800	800.430	2296₩	06128	<b>-</b> .00089	-, 00053	₹ეეიტ•	<b>59</b> 560'		
	800.950	1000.0001	22697	06099	00071	00057	10000.	4546a.		
	ş	RUN NO. 1847 S	FRVL .	£.82						
	×	7	3	CLA	Շ	CYN	ğ	5		
	1200.800	115.11	06880	.00390	00468	00190	<b>5</b> 0005.	. 05565		
	1200.900	100.140	B'960'-	01710	00373	0017B	20000	.07464		
	1200.900	200.070	-,11450	04881	00325	<b>2</b> 6000 •−	€0000.	60060.		
	1201.000	289.810	14594	07171	-, 00192	0009	¥000p.	.10022		
	1200.600	403.240	18090	07832	0017	00067	.00003	10001		
	1201.000	601.110	11605	44170	00160	00051	. 1000 <b>2</b>	. 05426		
	1201.100	800.500	22451	06572	00102	00050	€0000.	. 09567		
	1201.100	1000.200	22928	06267	00084	B+000	€0000	.09475		

DATE DE AUD 75

SPEF LREF BPSF SCLE

141 : SOURCE DATA

(PTJT48) (31 JUL 75 )

## TATS, EXTERNAL TANKITTO SEPARATING FROM ORB. 29

	000°04 000°00°0																														
DATA	PTOTAL BETA BETA BETA BALRON BETA AILRON																														
PARAMETRIC DATA	4,520 -21,660 1,060 -600		క	<b>-</b> ₹550.	. 0987 <b>8</b>	**850°	77780.	64/60.	60860	.09926	. 09857		ర	16460.	82660 ·	<b>10989</b>	.09803	₩6190.	. 09839	. 09857	. 09852		5	. 09233	10254	₩8001.	7.09877	.09787	01860	.09887	90860.
	MACH ALPHA BALPHA BELEVTR		<b>.</b>	2000c	. 00002	.000 <b>0</b> .	.0000	.0000	.00000	00000	.00000		5	<b>2000</b> 0.	. 00002	. 000 <b>0</b>	.00002	.0000	10000	10000	10000		<b>18</b> 5	. 00002	.00003	€00000.	₹0000°	.0000	.0000	10000.	00000.
			3	00039	-· 00046	~. 00039	00055	00066	00080	00067	00070		CYN	00085	00088	-,00039	00041	00050	00053	0007 <del>*</del>	000Gt		č	£100'-	001 <b>0</b>	60099	00055	000+≥	00036	00052	00 <b>062</b>
			ξ.	0019€	00214	00179	0018¥	E+10	03107	000 <b>68</b>	00977		Ç	00209	00233	-,00304	00222	00168	00138	00112	00088		Շ	00%52	00333	00272	00261	00218	0012	00110	00101
		18.4	ج ج	09652	09100	08810	08273	07727	37662	08228	08221	8.	r L	10701	09772	09824	09430	08769	07944	07647	64180	¥.01	S.	05952	08857	10136	10160	09716	08664	08065	07690
	1403.0000 IN. XT .9000 IN. YT 400.0000 IV. ZT	BAVL .	3	29647	29873	30808	32013	-, 32693	32814	32258	32555	FW/L .	3	25060	25639	26919	29072	-,30963	32021	33025	32242	RN/L -	3	- 17546	+1461	21288	24598	27544	+,30944	-, 32585	-, 33166
		0 /881 0	7	7.750	\$ 8	199.810	287.590	399.660	599.880	800.690	1000.400	RUN NO. 187/ 0	2	BC	100. 60	201.890	300.080	400.330	600.410	000.000	1000.400	RUN NO. 186/ 0	7	9.078	100.200	196.370	299,250	401.280	600.780	800.370	1000.200
REFERENCE DATA	2690,0000 SO.FT. XPF9 1250,3000 INCHES YHRP 1250,3000 I CHES ZHRP 10100	RUN NO.	×	375.	E.W.	.288	.367	882.	877.	.603	595.	EN NE	×	077.005	067.007	400,520	400.520	400.530	100.500	400.650	400.750	RUN NO	×	969.008	900.590	800.630	069.690	600.730	800.730	800 730	801 . 020

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DATE OF AUG 75	27 DUA	[A13	IAI3 SOURCE DATA	_						FACE	34.1
			[1]	, EXTERNAL T	ANK(713)5E	IAIB, EXTERNAL TANK (TIJ) SEPARATING FROG ORB. 09	Он омв. 09		(RTJT48)	(3) (3) JUL	- K 7
	REFERENCE DATA	ATA							PARAMETRIC DATA	: DATA	
536	2690.0000 SQ.FT.	<b>3</b>	1403	1.0000 IN. XT				HACH .	4,520	PTOTAL -	000.08
			9	ž				DALPHA -	1.000	DPETA	000
SCALE.	<b>D</b>							\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	000		2
		<b>3</b>	0 /981	FBV/L .	18.3						
	×		2	8	5	5	CYR	<b>8</b> 5	5		
	1200.700	700		10622	.00021	£4,00	00146	-0000°	23640		
	1200.700	. 70 <b>0</b>	20.280	15.786	05190	- 005/9	00142	£0000.	1970.		
	1200.900	005	300.480	- 19294	08448	00332	00050	50000	26660		
	1200.800	900	397.810	22438	0209	00257	00072	€0000.	. 10289		
	1201.000	000	995.800	28263	09570	00209	00058	0000.	9838		
	200.800		800.310	31182	089 <b>+8</b>	00148	00047	10000.	.09869 		
	1≥00.900		1000.000	32832	08165	00106	900 <b>43</b>	69000 ·	+1860·		
			1413	EXTERNAL T	ANK (T10) SEF	IAI3,EXTERNAL TANKITIO)SEPARATING FROM ORB. 09	OM ORB. 09		(817,149)	9) (31 ML	ر ا
	REFERENCE DATA	ITA							PARAMETRIC DATA	CATA	
58	-	8	- 1403.0					HACH	4.520	PTOTAL .	<b>90</b> . 000
<b>5</b>	1296.3000 INCHES		9000.	TA .N. 0000				ALPHA .	-21.000	657A •	<b>9</b> 0.
2.X.E		1		Ė					000	AILRON =	000
								• ~	000.		
		3GN 36	0 /06:1	. YM	<b>8</b> . *						
	×		7	Š	Ş	ç	CAN	度	5		
	•	Ķ	206.990	39759	11173	00318	00022	.00001	. 10202		
	•	* 8	303.340	1,41057	0.660	30293	-, 000025	00000	. 10200		
	•	¥ .	599.890	9694.	09012	00195	06000'-	-, 00002	10239		
	•	.463	799.930	-,44142	09573	00156	00087	00001	66101.		
	i	217	997.410	16174	09742	00092	00063	0000€	. 10217		
		RUN NO.	0 7061	HAVL	4.80						
	×		2	ક	ş	5	C.K.S	ಕ್ಷ	5		
	MO0.570		199,520	33844	1207S	00266	+0100.−	.000	.10277		
	009:00+		293.1.10	35316	12367	00365	10000	10000	. 10245		
	400 470 400 450 450 450 450 450 450 450 450 45		399.300 800.850	. 58773	11661	00567	00023	10000.	-10172 		
	019.004		800.5.0 800.5.0	1883	7.680 -	00139	2000 ·	10000	7000T		
	10°.580	-	1360 203	<b>9</b> 7 0 7	- 09212	00122	00073	10000:-	24 11		

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SOURCE DATA
1413 S
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(81CT49)
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ě.
TANK (TIO) SEPARATING FROM ORB. 09
IAI3, EXTERNAL T

### TJT49) (31 JUL 75 )

PAGE 143

- C		000.08 000.														
( 6/ mm 16 ) (8F16/K)	DATA	PTOTAL - BETA - 09ETA - AILRON -														
<u> </u>	PARAMETRIC DATA	4,520 -21,000 -4,000 .000		5	. 10292	. 10108	10090	.10507	10284	.10170		ర	. 10372	. 10125	.10278	.10189
		MACH ALPHA - CALPHA - SLEVTR -		<b>e</b> s	€0000.	€0000.	. 00 <b>002</b>	00001	00001	00001		룡	.0000.	€0000.	00000	00000
5				C N	1.0995	£6000'-	00038	00047	00049	00039		CYN	₹0000-	00071	00067	00045
				Շ	00466	00363	00289	00:52	₹100	00119		Շ	00538	00234	00221	001₹
INTERCOLOUGH TANAMINE CANAMINE			4.80	r.	11773	12833	12704	11296	10060	09452	80	r,	11595	12357	11068	10168
		1403.0006 IN. XT .0000 IN. YT 400.0000 IN. ZT	FW/I.	ક	-, 26382	28612	32971	39781	43436	44769	w/L	ક	27647	34511	40571	43397
·		•••	0 /161 .	7	202.880	299.030	398, 330	599.760	800.870	1000.500	NO. 192/ 0	7	400.840	298.810	799.880	899.550
	REFERENCE DATA	2,FT, XX48P KCHES YYHRP KCHES ZYHRP	P. NO.	×	900.340	800.500	800.5+0	800.840	800.770	800.820	RUN NO	×	1200.800	1200.800	1201.000	1200.200
	PEFERE	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES .0100														
		SCALE . S														

## INIB, EXTERNAL TANKITIOISEPARATING FROM ORB. 09

REFERENCE DATA

### PARAMETRIC DATA

(RTJT50) ( 31 JAL 75

000.08 000.		
PTOTAL = BETA = DBETA = AILRON G		
4.520 -21.000 -9.000 .000		CA .10644 .10638 .10630 .10577 .10663 .10662
HACH ALPHA DALPHA ELEVTR		CBL 00001 00003 00003 00001 00002
		CYN
		CY 00383 00231 00210 00154 00167 00168
	4.81	CLM 13182 11318 10541 11317 12636 10564
1403.0000 IN. XT .0000 IN. YT 400.0000 IN. IT	PN/L.	CN -,52897 -,57305 -,57317 RW/L = CN -,57402 -,57573 -,57573
• • •	RUN NO. 1937 0	299 600.210 774 990.810 774 987.810 RUM NO. 124/ 9 2 460 600.326 670 900.410 350 998.050
SQ.FT, XMRP INCHES ZHRP	PECE NO	X .174 .299 .300 .300 .77. .77. X X X 04.670 909.390
2880, 0000 50 1290, 3000 15 1290, 3000 16		
SCALE -		

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IAI BOUNCE DATA
DATE OF AUG 75

REFERENCE DATA

# IA13,EXTERNAL TANKITIOISEPARATING FROM 098. 09

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CATA	
PARAMETRIC	

000	000	000	000	
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	9£1A .			
00.4	- <b>21</b> .000	-9.000	000.	000.
	ALPHA .			
RP = 1403.0000 IN. XT	TY YOU	RP • 400.0000 IN. 2)		
Ž	Ž.	24.7		
2890.0000 SQ.FT.	- 1290.3000 INCHES	1290.3000 INCHES	0010.	
•	LAEF .	•		
8	LAR.	<b>13</b>	ACAL SCAL	

## RUN NO. 195/ 0 RN/L = 4.81

. 10679	\$ 900 900 1000 1000 1000 1000 1000 1000 1	5	. 10675	10595
. 00000 00001	- 00005	<b>6</b> 5	00000.	00002
CYN. .00004		<b>E</b>	00071	00035
00539 00207	00e03	Շ	00224	00218
141+0 1817	+. 11329 4. 81	r d	14049	12468
CN 6800 9113	57332 RN/L -	ક	49210	5+982
2 599.290 801.550	1000,500	2	799.320	996.360
800 .230	800.748 TO	×	1200.600	1199.600

# IAI3,EXTERNAL TANK(TIO)SEPARATING FROM ORB. 08

(RTJT51) (31 JUL 75 )

PARAMETRIC DATA

4
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E
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α,

4.520	-21.0cg	OALPHA = -19,000 00ETA =	000	• ▶
P = 1403.0000 IN. XT	YHR8 7 .0000 IN. YT	P = 400.0000 IN. ZT		
9AEF = 2690.0000 50.FT. XHR			SCALE 0100	

000.09 000.09

## RUN ND. 1977 0 RN/L = 4.81

3	¥==:
Ę	00003
CYN	00081
Շ	+: 200 · -
g	-, 13820
3	8769+
2	967.730
×	-2.012

PAGE 145	31 J.C. 78 )		0000.01										31 JUL 75 )		000.011										
a.	<b>~</b> .	DATA	PTOTAL BETA BETA BOBETA BILRON B										-	DATA	PTOTAL = BETA = D9ETA = AILRON =										
	(RTJT52)	PARAMETRIC DATA	0000 0000 0000		<b>₹</b>	16680.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	04780	16490.	.08793	. 08711	08840	(RTJ153)	PARAMETRIC DATA	. 000 . 000 . 000 . 000		5	11060.	.08385	61680.	. 08763	.08761	.08778	.08728	. 08850
			MACH ALPHA DALPHA DALPHA CELEVTR		<b>វ</b>	£0000	*0000	₩0000.	<b>3</b> 0000.	40000	<b>+</b> 0000 ·	<b>≯</b> 0000 ·			MACH ALPHA DALPHA ELEVTR		평	*0000	<b>\$0000</b>	<b>5</b> 0000 .	<b>30000</b>	<b>.</b> 0000.	<b>50</b> 000.	<b>5</b> 0000.	<b>\$</b> 0000 .
	M 048. 98				CYN	8000.	19000 -	60000	00005	20018	00022	00012	M 088. 63				CYN	00033	00017	00033	00031	€1000	<b>₹</b> 0000L1=	000u	±1000°-
	ARATING FRO				<b>ک</b>	.00878	60800.	82000	.0005	₩0000.	00027	01000.	MARATING FRE				ò	. 00075	<b>₹</b> 6000 ·	. 00085	.00018	.00053	.00038	£ 4000°	.00051
	WAK (T10) SEP			8,58	¥70	.00258	500°.	. 0001	\$6000.	.00057	.00126	17100.	ANK(T10)SER			6.57	g.	01000.	.00028	.00 <b>+38</b>	.0006	£2000.	.000 <b>59</b>	.00159	.00171
_	1413,EXTERNAL TANKITIOISEPARATING FROM ORB. OB			ENAL .	8	01320	C/510	.00173	.00154	.00121	.00185	11100.	IAI3,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09		1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT	FBN/L	8	01300	010⊁8	01440	. 00012	11100.	<b>20100</b> .	.00189	.00123
IAI3 SOURCE DATA	1413		FO 00 2	0 /861 .	Z	18.450	36.00 20.00	303.040	404.360	600.140	799.980	1000.100	1413			0 /861 0	2	20.976	99.172	009.661	301,540	397.850	599.970	799.730	999.930
		REFERENCE DATA	26_U.0000 SO.FT. XORRY 1290.3000 INCHES YHRP 1290.3000 INCHES ZHRP	PUN NO.	×	. 102	æ <u>:</u>	580	. Z	:X:	155 -	. 22 <b>5</b>		REFERENCE DATA	2690.0000 50.FT, XHRP 1290.3000 INCAS YHRP 1290.3000 INCAS ZHRP	RUN NO.	×	<b>8</b> 7.	581.	<b>82</b> 0.	. 107	161.	515.	<b>522</b> .	. 200
DATE 02 AUG 75			SPEF - 28.0 LPEF - 1290 SCALE -												976F • 2680 LREF • 1290 BREF • 1290 SCALE •										

In A

DATE GZ AUG 75	AUG 75	1413 S	TALE SOURCE DATA							T.	941 3
			1413	1A13,EXTERNAL TANKITIONSEPARATING FROM CAB. 09	WK(T10)SEP	MRATING FRO	¥ CAB. 09		(REJUSH)	34) (31 JUL	UE 75 J
	REFERENCE DATA	ATA							PARAMETATO DATA	DATA	
BACE .	2690.0000 SQ.FT. 1290.3000 INCHES JO.3000 INCHES	254.7 254.7 254.7	1403.0000	1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				MACH - ALPHA - DALPHA - ELEVTR - Y	6.530 .000 .000 .000 .000	PTOTAL - BETA - DUETA - ALLRON -	0000.011
		<b>3</b> 5	2007 0	PBV/L - 6	8.58						
	*		2	3	g.	5	CYN	<b>.</b>	₹		
		.080	16.918	01305	66100	00695	001 <b>01</b>	£0000°.	. 08543		
		160	95.913	01234	.00200	00696	96359	50000.	11680.		
		.201	016.661	00880	.00416	00335	.00135	*,0::00°	.08830		
		.127	303.120	99100	81000	.00067	00018	<b>≯</b> 0000.	.08738		
		.227	404.730	. 00132	<b>+6</b> 000.	.00083	00003	<b>\$</b> 0000.	.08783		
		<u>.</u>	599.960	60000.	.00056	.000 <b>.</b>	00007	+0000°.	.08783		
		750.	799.890	.00152	.00143	.00133	.0000 <b>.</b>	*OU00.	. 08711		
		1 961.	000.0001	. 00080	.00152	.00063	00030	€0000°	.08843		
			1413	IAI3,EXTERNAL TANKITIDISEPARATING FROM ORB. 09	WK(T10)SEP	MRATING FRC	M 098.09		(RTJ155)	55) (31 JUL 75	R C
	REFERENCE DATA	ATA							PARAMETRIC DATA	DATA	
	2890.0000 \$0.FT. 1290.3000 INCHES 1290.3000 INCHES	2000 11000 11000	1403.0000 0.0000 1400.0000	1407.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				MACH ALPHA DALPHA ELEVIR	4.530 .000 .000 .000 -200.000	PTOTAL = BETA = DBETA = ALRON =	110.000 .000 -5.000 10.000
		PEN NO.	201/ 0	PN/L -	6.57					,	
	*		7	8	5	5	₹.	<b>18</b> 3	క		
		Ē	18.651	· 01643	. 00138	07240	. 02218	£0000.	99160		
		<b>8</b>	88.238	01439	.00117	. *STT7	. 02297	<b>*</b> 0000.	₹0.00°		
		. i.3	200.170	- 01332	.00478	98190	<b>.</b> 025 <b>42</b>	<b>\$0</b> 000.	61060		
		.086	303.040	B9000.	<b>9</b> 0000.	.05908	. 02338	50000	. 08893		
		÷10.	400.160	12100	18000	00050	. 327	+0000	. 085 <b>62</b>		
		. 180	600.000	.00108	.00043	.050	. 02322	\$0000·	. 08939		
			799.920	09100	62100	05822	.02303	.00000	.0886		
	•	- 610	000.0001	. 00152	.00168	.05788	. 02340	£0000 .	68680		

 $\mathbf{n}_{t \cdot t_i}$ 

Seg : 659, 1000 50, FT, Arrey   14,11,000 1N, XT   14,11,11,11,11,11,11,11,11,11,11,11,11,1	TATE DZ AUG 75	JZ AU	ě.		1413	2005	IAI3 SOURCE DATA	4						ã	PAGE 147
** 2890.0000 50,FT, XFPP ** 1903.000 1N, XT ** 1.500.000 50,FT, XFPP ** 1.500.000 1N, XT ** 1.500.000 50,FT, XFPP ** 1.500.000 1N, XT ** 1.500.000 50,FT, XFPP ** 1.500.000 1N, XT ** 1.500.000 1N							I	3,EXTERNAL	. TANK(T10)S	EPARATINO FE	TOH ORB. C9		TUTR)	-	
Fig.   1,000   10,14,   1,003   10,14,   1,1			REFERE	ENCE DA	17								PASAMETRI	C DATA	
NAME   NAME	SCALE	Cu		50.51. INC/63 INC/63	X X X X X X X X X X X X X X X X X X X		1.001	<u>z z z</u>	<b>5</b>			٠, ٠,	0000 0000 0000 0000	.ب 2	.000.000 .000.000 .000.000
National Series   Characteristic   Cha					3		0 /20%	RN/L	8.58						
1.06   19.681  01234  01244  02943  02149  02943  02149  02043				×		7		Š	<b>x</b> 5	ò	Z.	183	క		
- 153 - 100.330 - 0.196 - 0.0167058780003209693000330969300033096930003309693000330969300033096930003309693000330969300033096930003309693000330969300033096930003309693000330969300033096930003309693000330969300033096930003300033009693000330003300969300033000330096930003300033009693000330003300969300033000330096930003300033009693000330003300003				•	801	<u></u>	1.861	01293	78100.	- 05963	02178	<b>₩0</b> 000.	2516C.		
114   198-310  01231  00477  054921  000033  09932  09932   153   319-200   00143   005492   02349   000033   08955   00144   00149   02496   02349   000033   08955   00003   08955   00003   08955   00003   08955   00003   08956   00149   02349   000033   08959   00149   02349   002349   001499   02349   002349   000033   08959   00000   02349   000034   08959   000004   08959   000004   08959   000004   08959   000004   08959   000004   08959   000004   08959   000004   08959   000004   08959   000004   000005				٠	0.45	00	1.330	01198	.00167	05878	32278	20000.	£6060.		
133 301.000   .00043   .00032   .00350   .00350   .00350   .00350   .0095				•	<u>*</u>	8	1.310	01231	11400.	05421	02¥91	.00003	08030		
FETERICE DATA   135   400 230   .00195   .00538   .0053				•	153	301	.300	.00143	SE000.	- 05830	02380	£0000°.	12680.		
TATE   STATE				•	135	505	1,290	<b>26</b> 100.	86000	05806	02352	£0000°	.08965		
115 719.990				•	210	900	0.00	.00180	•	05781	02354	.00003	94680.		
### ### ### ### ######################				•	115	Ž.	069.	.00252	+9100·	05734	02325	₹0000.	.088 <b>83</b>		
## REFERENCE DATA  ## REFERENCE				•	иęя	Š.	.980	.00208	66100	05761	02359	£0000.	. <b>0</b> 9022		
### PARAFERIC DATA  ### CEGO 0000 SQ.FT.   XMFP							141	I.EXTERNAL	. TANK(T10)S	EPARATING FR	10H 0AB. 0.3		TCTAT		JL 75 )
E - 2690 0000 \$Q.FT. XPEP - 1403.0000 IN. XT			REFERE	SNCE DA	2								PARAMETRI	C DATA	
1290.3000 INCHES	1385	₹	5 0000 069	30.51.	S S		1403.(	ž	1				4.530	4	110.000
E		- : • •	280.3000	SHOW		•		<u>z</u>	t:				000.		000
X Z CN CLM CY CYN CB. CA		. (	200.3000 1	2	7	•		į	_			4 0 1 V		-	90.0
RUN NO. 203/ 0         RN/L = 6.59         CLM         CY         CYN         CRL           25.9	, ,	,	2010									- K	200 : 000		
Z         CN         CLM         CY         CYN         CSB           .256         23.474        01514         .00128        06965        0255         .00004           .004         101.120        01325         .00132        06577        02247         .00004           .029         300.120        01873         .00523        06599        02289         .00003           .029         300.120         .00087         .00629        02364         .00003           .072         397.320         .00178         .00589        05189        02364         .00003           .234         600.000         .00101         .00058        05784         .00003         .00003           .137         799.730         .00152        05775        02349         .00003           .253         1000.000         .00115         .00152        05775        02406         .00003					<b>S</b>		03/ 0		6.59						
23.474        01514         .00128        06985        02255         .00004           101.120        01325         .00132        06577        02247         .00014           204.550        01273         .00523        06029        02284         .00003           300.120         .00087         .0060        05788        02364         .00003           397.320         .00178         .0058        05815        02352         .00004           600.000         .00101         .00054        0578        02349         .00003           799.730         .00155        05775        02349         .00003           1000.000         .00115         .00152        05775        02341         .00003				×		7		8	5	5	Š	g	చ		
101.120        01325         .00132        06577        02247         .00013           204.550        01273         .00523        06029        02289         .00003           300.120         .00087         .00060        05789        02364         .00003           397.320         .00178         .00589        05815        02352         .00004           600.000         .00101         .00059        05784         .00003           799.730         .0015         .00152        05775        02341         .00003           1000.000         .00115         .00152        05775        02406         .30004				٠	999	2	£ 5.	01514	.00128	06985	02255	₩0000.	14160.		
204.550      01273       .00523      06029      02289       .00003         300.120       .00087       .00060      05788      02354       .00003         397.320       .00178       .00098      05815      02352       .00004         600.000       .00101       .00058      05754      02349       .00003         799.730       .00154       .00152      05775      02405       .00003         1000.000       .00115       .00152      05747      02406       .00004				·	\$	<u>.</u>	. 120	01325	SE 100.	06577	02247	<b>₹</b> 0000.	00160		
300.120     .00087     .00508    05364     .00003       397.320     .00178     .00098    05815    02352     .00004       600.000     .00101     .00058    05774    02349     .00003       799.730     .0015     .00152    05775    02405     .00003       1000.000     .00115     .00152    05775    02406     .00004				•	**0	Š	. 550	01273	.00523	06029	02288	£0000°	80060.		
397.320 .00178 .000980581502352 .00009 600.000 .00101 .000580575402349 .00003 799.730 .0015 .001520577502341 .00003 1000.000 .00115 .001520577502406 .00003				•	6 <del>2</del> 0	300	1.120	.00087	.000060	05788	02364	.00003	.08976		
600.000 .00101 .000560575402349 .00003 .794.730 .00101 .00152057750241 .00003 .1000.0003 .1000.000 .1000.0001 .1000.000 .1000.0001				•	570	397	.320	.00178	86000°	05815	02352	<b>+0000</b> .	7,680.		
799.730 .0005 .00052057750541 .00003				•	まる	800	000	10100	95000.	-,05754	02349	€0000.	.08934		
1000.000 - 00400 - 00100 - 00100 - 000000 - 0000000 - 00000000				٠	137	26	1.730	· 5100		05775	02341	.00003	.08877		
				•	253	0001	000.	Si 100'		05747	02405	<b>40000</b> .	£1060.		

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OF POOR QUALITY

		•	MACH	€1.5 ¥ ¥ ¥		<u>*</u>	00000	00000	£0000	£0000.	20000.	≥5000°
	€ 086.89					¥,	E 1200 .	00170	00013	00018	00027	00035
	IAIB, EXTERNAL TANKITIGI SEPARATING FROM 088. 09					5	012 <b>04</b>	00+83	. 00062	51000.	<b>6</b> ∈000°	.00058
	FANKI F1619E)				6.37	<b>5</b>	02818	03772	- 04333	-, 94270	04217	04427
	I.EXTERNAL		1403,0000 1%, XT ,0000 1%, CT 400,0000 1%, ZT		· 1/18	Š	-, 17893	90441	13290	-,13202	13043	₹5.1.7
IA13 BOURCE DATA	1413				. 206/ 0	~	300.780	400.430	602.150	900.170	999.320	1299.800
IVI		REFERENCE CATA	\$0.FT, x#89 (404E9 YH30 (404E9 ZH30		3GN 36.	×	£ .	8	Ž.	.173	0.35	9851.
DATE CZ AUD 75		P3:136	• 2650 0000 50.FT. • 120.3000 140HES • 1.90.3003 140HES									
DATE			(4) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	° 3.405								

000 011

6.70°655

(RTJ150) ( 31 JUL 75 )

n+ £

PAULIFETRIC DATA

	000.011 000.00 00.00.01				
DATA	PTOTAL • BETA • DBETA •				
PARAMETRIC DATA	. 530 . 000 - 10.000	-200.000	CA .08890	55160. 58590.	.09161 .09278 .09221
	HACH . ALPHA . DALPHA .	•	CBL . 00003	\$0000°	<b>3</b> 0000.
			CYN .01730	.02008	.02128 .02135
			CY .08220	<b>9</b> 6120.	.06742 .06825 .06738
		6.57	CLH -, 02006	03531	1.04.0
	1403,0100 IN. XT .0000 IN. YT 400,0000 IN. ZT	PBVL -	CN 20639	15512	13532
		. 207/ 0	301.710	400.570	800.230 899.410 1298.700
NCE DATA	9947 S	<b>25 6</b>	v V	<u>z</u> 5	. 188
REFERENCE	SAEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3500 INCHES FOREF = 0.000				
	5 13 13 13 13 13 13 13 13 13 13 13 13 13				

(RTJT61) ' 31 JUL 75 )

IAI3,EXTERNAL TANK(TIO)SEPARATING FROM ORB, 09

CA . 08962 . 09127 . 09287 . 09376 . 09368

ORIGINAL PAGE IS

PARKETON OATA	4 5 (d) PT (1 4 1)	000.01	ELEVER
HEFERENCE DATA	abbox :	1290.3000 1XCHES THRE - 400.0000 IN. ZT	00100.

SREF -LREF -BREF -SCALE -

1413, EXTERNAL TANK (TID) SEPARATING FROM CHG. 08

### RN/L . 8.57 RUN NO. 208/ 3

2	്യൂർഗ	14160.	16260	. 09215	05350	.09268
<b>ન</b>	00 00	.00.49	1: 7,0.	<b>⊱</b> იეეე.	. 00201	.000.
CYN	02303	02367	02187	02165	02184	02193
Ċ	-,05308	05505	-,05880	06729	06833	06809
Ę,	-, 02300	03543	04324	042:2	04189	04427
Š	19633	15417	13681	13598	13413	13915
7	300.790	400.570	602.650	800.360	999.230	1298.700
	.178					

# IA13, EXTERNAL TANKITIOISEPARATING FROM 088. 09

### PARAMETRIC DATA

### (41,0163) (31,00,75.)

113.000	. 000	5.000	10.000	
PTOTAL -	BETA -	DISETA #	ATLRON -	
4.530	000.	-10.000	000.	200.000
	•		•	
Kack	<b>≱</b> LP∺4	CALPHA	FLEVIR	<b>&gt;</b> -

### PB//L . 6.58 PJN NO. 2097 C

- 1403.0000 IN. XT - C000 IN. YT - 400.0000 IN. ZT

084.7 084.7

SAEF = 2690.0000 50.FT. )
LREF = 1290.3000 INCHES 1
BMEF = 1290.3000 INCHES 2
SCALE = .0100

REFERENCE DATA

5	. 08052	.09104	. 09268	. 09201	64860.	<b>.</b> 0924 <b>2</b>
<b>8</b> 5	10000	10000	10000	€00000.	10000.	-00000
CLA	01798	02050	02174	021 74	02203	0250
5	08172	07176	06633	06759	05882	08772
g.	+1810	03510	04332	04247	+1240	04440
ક	21214	15750	13727	13630	13489	13893
7	300.730	398.990	599.310	797.390	999,810	1300.700
					.238	

PAGE 151		000.011		(31 JUL 75 )	31 JL 75	000000000000000000000000000000000000000							
	DATA	DATA PTOTAL = BETA = DRETA = ALLRON =				DATA	PTOTAL BETA DBETA AILRON						
(RTJT64)	PARAMETRIC DATA	678.7 676. 676. 676. 676.		CA .09462 .09763 .09854	(RTJT65)	PARAMETRIC DATA	+.530 .000 -20.000 .000		CA .08808 .09765 .09867				
		MACH ALPHA - CALPHA - CLEVIR - Y		-, 00001 -, 00001 -, 00000 -, 00000 -, 00000			HACH ALPHA - DALPHA - ELEVTR -		CBL 00001 .00000 .00000				
OH OR8. 36	TANK(TIDISEPARATING FROM ORB. 09) FERENCE DATA						-, 00330 -, 00330 -, 00038 -, 00031	OH OP8. 09				CYN - 00043 - 00030 - 00038	
PARATING FR		1303.6050 14, XT .0000 14, YT \$00.0050 14, ZT	\$31 € 8.57	00708 00658 00625 00620	PARATINO FR				00045 00004 00004 00008				
TANK (710) 9E				မှာ	5.57	5.57	5.57	CLM 07208 09045 07895 08116	TANK (T10) SE			6.58	CLM 05433 38050 07926
A 3,EXTERNAL					CN - 32044 - 31913 - 32028	IAI3,EXTERNAL TAMKITIO)SEPARATINO FROM ORB. 09		1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT	BN/L	CN 37832 32080 32002 32224			
IAI3 SCAPOE CATA				00h •	0. 210/ 0	2 803.0%0 800.570 999.6%0 1298.000	Ĭ			0. 211/ 0	2 603.150 798.170 899.880 1300.500		
1413		REFERENCE DATA 0000 SQ.FT. 20439 3000 INCHES 77499 3000 INCHES ZHBP 0100	RUN NO.	2 28	2	25	2	× .173 .079. .039	880. 1.268	DATA	T. XHPP ES YHPP ES ZHRP	2	. 040 . 037 . 070
							REFERENCE DATA	0069 SQ.FT. 3000 INCHES 3000 INCHES 0100					
100 73 20	84	0000 (6695) 0000 (062) 0000 (062)				꾩	2690.0095 1290.3000 1290.3000						
DATE G2 AND 75		SPEF . BPEF . SCALE .					SPECF SPACF SPACF SCALE						

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(RTJ165) (31 JUL 75 )

# IAI3,EXTERNAL TANKITIC) SEPARATING FROM 088, 09

	REFERENCE DATA	V.T.A				PARAMETRIC DATA	DATA	
SCALE .	2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	9847 9847 9847	9 # D	- 1403.0000 IN. XT 0300 IN. YT - 400.0000 IN. ZT	HACH ALPHA BOALPHA BELEVIR T	4.330 .900 -20,000 .000	4.330 PTOTAL • 1 .000 BLTA • -20.000 C.E.TA • .000 ALCON •	000°01 000° 000° 000°611
		5CN 150	ñ,	RUN NO. 212/ 0 RN/L = 8.57				

5	. 09457	. 09763	.09671	.09826
785 786	200.00	.00000	00000.	00000
N.	₩200°	00034	-,00038	00047
Շ	00764	10000.	51000.	.00021
C. L.	07116	08038	07912	03137
ક	34162	32037	31949	32172
7	603.240	800.340	999.540	1300.000
×	.167	8	128	Ē.

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47.

(REJECT) ( 31 JUL 75 )

DATA	TAL .	BETA000	HETA .	ILRON .	
PARAMETRIC DATA	4.530	000	-20.000	000	
	HACH	ALPHA .	\$276	EL SYLA	-
	1403.0000 IN. XT	YMBP	- 400.0000 IN. 27		
	•	•	•		
•	X	7	2		
REFERENCE DATA	2690.0000 SQ.FT.	1290.3000 INCHES	1290.3000 INCHES	.0100	
	•	LREF .	•	•	
	8	Ä		₹ C	

## RUN NO. 213/ 0 RN/L = 8.57

₹	.08897	. 19728	.090-3	.09824
			≥0000	
S.	£4.00	.01962	.01973	£4610.
<b>5</b>	.08710	.08115	.08173	.08117
C.	05762	07959	07807	08034
8	37463	32373	32252	32348
2	602.050	600.630	999.700	1297.900
×	75.	<u>.</u>	057	33

ICE DATA	
IA13 SOURCE DATA	

DATE DZ AUG 75	1413	IAI3 SOURCE DATA	<						٥.	PA0E 153
		¥	3,EXTERNAL	TANK (T10) SE	1A13,EXTERNAL TANK(T10) SEPARATING FROM ORB. DB	OH ORB. 59		(RTJ)	(RTJT68) ( 31 JUL 75	ፈ ንን
REFERENCE	DATA							PARAMETRIC DATA	C DATA	
STEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0160	4842 55 55 55 55 55 55 55 55 55 55 55 55 55		1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				MACH ALPHA DALPHA ELEVIR Y	4 530 000 -20 000 000	PTOTAL - BETA - DBETA -	.000 .000 .5.000 10.000
	25 NO.	. 214/ 0	RN/L .	6.57						
	×	~	ક	5	5	CYN	සි	Š		
	± 0.	605.010	35843	08421	07892	02304	0000	88160		
	<b>₹</b>	800.570	32313	07953	08138	03026	00001	.09735		
•	103	999.630	32241	07828	08194	02033	00001	.09852		
<u>.</u>	<b>89</b> 4.1-	1297.900	32361	08058	-, 0819 <b>6</b>	02049	., 00001	. 09826		
		IAI	S.EXTERNAL	FANK (710) SE	IAI3,EXTERNAL TANKITIOISEPARATING FROM ORB. 09	90 . 90 . 90 .		(RTJ189)	19) (31 JUL 78	الا د 25
REFERENCE D	DATA							PARAMETRIC DATA	: DATA	
SPEF = 2890.0000 SQ.FT. LPEF = 1290.3000 INCHES BPEF = 1290.3000 INCHES SCALE = .0100	20402 27403	• • •	1403.0000 IN. XT .0000 IN. YT .00.0000 IN. ZT				MACH ALPHA BALPHA BELEVTR	6.530 .000 -20.000 .000	PTOTAL BETA DBETA AILRON	110.000 .000 5.000 10.000

ORIGINAL PAGE TO

.09741 .09851 .09797

CBL -.00005 -.00002 -.00001 -.00001

CYN -.01818 -.02014 -.02034 -.02039

CY -.08662 -.08152 -.08145 -.08202

CLM -.05650 -.07958 -.07833 -.08053

CN - 37439 - 32340 - 32253 - 32455

2 602.350 796.100 899.960 1300.500

× ...050 -.006 ...130

RUN NO. 215/ 0

· · · ·

(87,0170) (31,000,75,0)

# IAIB, EXTERNAL TANKITIOISEPANATING FROM ONG. OG

2	TO CHEMIC IN	<u> </u>									
280,0000 280,3000 590,3000	2980,0000 90.FT. 1280,3000 INCHES 1290,3000 INCHES	SA YANG		1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				HACH ALPHA = DALPHA = ELEVYR =	000.005- 000.00- 000.00-	PTOTAL • BETA • CEETA • ALLICA	000.00 000.00 000.10
		3CN NO.	. 216/ 0	1947L -	4.83						
	×		2	ક	5	ដ	CYN	<b>ಪ್</b>	3		
		8	17.885	07791	-, 02299	.00164	.00283	<b>₹</b> 0000°	. 09138		
		. 282.	100.260	07677	02085	07400.	.00033	40000°	64060.		
		.233	202.020	-,0701€	01882	. 00343	00155	±0000°.	.08932		
		.237	302,733	08307	02069	.00125	00109	+0000°	₩280.		
		.210	400.800	058KB	02169	00078	0003+	+0000 <b>0</b>	.08853		
		332	389.70	08038	02197	84000-	<b>61000.</b> -	¥0000.	51060.		
		333	799.800	06111	02360	00038	000E	+6000°	18680.		
Ž	MEFENENCE DA	DATA							PARAMETRIC DATA	DATA	
90.000 90.3000 90.3000 0100	2880.0000 SQ.FT. 1280.3000 INCHES 1280.3000 INCHES	A S	• • •	1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				MACH ALPPA OALPHA ELCYPR	000 000 900 900 900 900 900	PTOTAL • BETA • OBETA • ALLRON •	000 . 000 000 . 000 000 . 01
		2 5	. 217/ 0	PN/L =	£.83						
	×		N	8	\$	5	CAN	<sub>ල්</sub>	క		
	•	<u>.</u>	20.766	07292	02650	00011	00037	+0000°	₩S180.		
	•	.237	101.290	07369	02493	00019	12000 -	₩0000.	57060.		
	•	. 193	P01.830	07500	01335	-, 00009	-,00033	£0000°	. 08969		
	-	. 27B	207.930	06817	1-010	.00006	000 34	₩0600.	.08 <b>88</b> 4		
	•	. 229	395.660	05873	02148	-,00020	00033	<b>₩0</b> ₩00°.	.08831		
	•	ž.	598.530	06035	02500	00035	0003¢	60000.	<b>₩0060</b> .		
	-	FZ.	900.190	06034	02352	000 <b>39</b>	00043	.0000	. 08935		

v G.

				IAI	3, EXTERNAL	TANK (T10) SE	IAI3,EXTERNAL TANK(TIO)SEPARATING FROM ORB, 09	10H 0AB, 09		(RTJ172)		1 31 JR 75
	REFE	REFERENCE DATA	¥.							PARAMETRIC DATA	DATA	
SPEF BREF SCALE .	2897.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	SQ.FT. INCHES			1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				MACH ALPHA BALPHA BALPHA BELEVTR	4.520 -5.000 .000 .000	PTOTAL = BET. = DBETA = ALLRON =	000.08 000. 000.
			PEN NO.	. 218/ 0	RN/L .	4.83						
		×		~	₹	3	5	Š	<b>18</b> 5	5		
		•	171.	17.524	07686	02356	00067	00328	*0000°	*1 160 ·		
		7	. 283	100.020	07653	17150	00 <b>348</b>	00118	£0000.	09060		
		••	8	202.190	07117	01878	00306	96000.	€0000	. 08951		
		",	. 293	302.970	06346	02044	00126	.00053	+0000	. 08866		
		",	.219	400.8 <del>6</del> 0	05850	02155	.00047	00020	<b>*0000</b> .	. 08859		
		٠,	£;	599.720	05077	32215	.000060	0002 <b>6</b>	*0000	.09034		
		";	379	799.970	06086	02373	60000	00031	<b>\$0000</b> .	+£680.		
				141	S.EXTERNAL T	ANK(T10)SE	1A13,EXTERNAL TANKITIO)SEPARATING FROM ORB. 09	OH ORB. 09		(RTJ173)	3) (31,042,75	뒤 16
	REFERENCE	ENCE DATA	٨							PARAMETRIC DATA	DATA	
585	2890.0000 SQ.FT.	SQ.FT.		1403.0	1403.0000 IN. XT				HACH	4.520 -1.000	PTOTAL -	90.000
. J366	1290.3000 INCHES	INCHES	<b>2</b>	• +00.0000	3000 IN. 2T				DALPHA -	000	08£7A *	-4.000
SCALE	0010								ELEVTR .	000	ATLRON .	10.000
									•	-200.000		
		Œ	FEN NO.	219/ 0	PAVE.	4.83						
		×		7	8	ş	5	č	ਛੁੱ	ర		
		~	.236	18.572	080+6	0253	.07143	. 02236	<b>\$</b> 0000.	.09220		
		m.	20 20 20 20 20 20 20 20 20 20 20 20 20	100.800	07907	02371	06927	.02158	₹0000.	. 09122		
		M.	.331	202.400	₹9/0	01899	.95480	. 02082	<b>\$</b> 0000 .	99680.		
		νi	200	303.300	06901	02011	.06190	. 02 I 34	*0000.	<b>:</b> 0889 <b>:</b>		
		νi	. 520	401.120	06191	02197	.06116	92172	<b>3</b> 0000.	₩5880.		
		<b>*</b> .	803.	599.870	06303	02227	66090	. 02520	.0000	75090.		
		•										

DATE OF	DATE OF AUG 75	1413	IAIS BOURCE DATA							Ą	PAGE 158
			[14]	IAIB,EXTERNAL TANKITIOISEPARATING FROM ORB. 09	ANK(T10) SE!	PARATING FR	2M ORB. 09		(RTJT74)	74) (31 JUL	K 73 )
	REFERENCE DATA	Y.						-	FARANETRIC DATA	C DATA	
SCALE .	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES		• • •	14.33.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				MACH ALPHA ELEVIR Y	000°. 000°. 000°.	PTOTAL - BETA - DBETA - ALLHON -	. 000 . 000 . 000 . 000 19. 000
	_	2	220 o	FRV/L =	¥.82						
	×		7	3	5	5	N.C.	ø	4		
		20	19.146	07819	02501	06929	01986	. 0000°	96160		
	•	.220	97.593	07897	02330	06579	02C3G	.00003	96060		
	•	.283	206.100	07716	01784	06004	02286	€0000	¥1060·		
		312	30%.120	06 <b>686</b>	02022	08011	02310	.00003	. 08927		
	•	.360	401.570	06175	02180	06174	nes45	.00003	. 0 <del>89</del> 12		
	•	383	599.783	06327	02212	06151	~.03.53	£0000.	.09083		
	•	236	799.740	06395	02357	06009	. 02.25.s	40000°	16680		
			IA13	IAI3,EXTERNAL TANK(T10)SEPARATING FROM 0R8. 09	AMK(T10)5EF	ARATING FR	¥1 0969. 34		(RTJT75)	75) (31, JUL 75	ž K
	REFURENCE DATA	7						_	PARAMETRIC DATA	: DATA	
5	2690.0000 SQ.FT.	<b>9</b>	- 1403.0	1403.0000 1M. XT				MACH .	4.520 900	PTOTAL -	90.000
	1290.3000 INCHES	27.6	0.00%					46.70	000	D05.1A	000
SCALE .	0010							ELEVTR .	000	A I LROM .	10.000
								• >	200 . 000		
	-	PLN NO.	821/ 0	RN/L .	4.83						
	×		7	8	5	5	č	g	5		
		Ę	22.712	07946	02517	07114	02586	<b>\$0000</b> .	66160.		
	•	<u>š</u>	101.890	07854	02398	06839	02210	₹0000.	.09125		
	7	<b>9</b> 87.	199.490	07703	01951	06471	02123	. 90003	£1060		
	- 1	215	297.780	06932	01972	06175	02200	.0000	£680·		
	•	<u>.</u>	396.330	061 <b>6</b> 4	02184	06174	*. 0224 <b>6</b>	.00003	66880.		
	•	<u> </u>	598.670	05391	02248	06112	02274	<b>9</b> 000 <b>0</b> .	00160.		
	7.	8	800.130	06+53	02401	06047	02268	₩0000.	98680.		

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DATE OZ AUO 75	1413	IA13 SOURCE DATA	<b>.</b>						ď	PA3E 157
		¥	IAIS,EXTERNAL TANKITIG) SEPARATING FROM OND. OB	TANK (716) SEI	PARATING FR	OH ORB, 08		(RTJT78)	78) (31 JJL 78	UL 78 J
PEFEPENCE DATA	MTA							PARAMETRIC DATA	: DATA	
SREF = 2690.0000 5Q.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	X7489		1403.0000 IN. XT .0000 IN. YT 400.00000 IN. ZT				HACH ALPHA ODALFHA CELEVTR	4,830 -5,000 -10,000 .000	PTOTAL BETA BETA BETA A AILRON	000.000
	F. KO.	. 222/ 0	FBV/L =	4.83						
*	. 357 . 357 . 327 . 422 . 069	2 300.780 400.420 599.650 800.110 999.870	CN 26163 23368 21811 22034 22035	-, 04814 -, 04814 -, 05681 -, 06185 -, 06329 -, 063304	.00817 .00308 00024 00037 00113	CYN 00247 00156 00043 00038 00055	CBL . 00001 . 00002 . 00002 . 00002	CA . 09190 . 09455 . 09478 . 09412		
REFERENCE DATA	ATA	¥	IAI3,EXTERNAL TANKITIO)SEPARATING FROM 088. 09	TANK (T10) SEI	PARATING FR	OH ORB. 09		(RTJT7) PARAHETRIC DATA	7) (3) JUL 75	JU 75 .
SPEF = 2690.0000 50.FT. LPEF = 1290.3000 INCHES BP:F = 1290.3000 INCHES SCALE = .0100	X X X X X X X X X X X X X X X X X X X	E 000 5	1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				MACH ALPHA DALPHA ELEVTR Y	4.520 -5.000 -10.000 .000	PTOTAL - BETA - DBETA -	000.01 000.
	PEN NO.	. 223/ 0	BN/L =	4.83						
	. 215 . 215 . 157 . 251 . 261 . 261	2 301,180 399,210 600,030 70,310 999,70	CN 29001 22889 22289 22175	CLM 03943 05854 06048 06332 06304	.00015 .00021 .00014 .00014 .00017	CYN 00050 00043 00043 00053	CBL	CA .09127 .09355 .09453 .09412 .09412		

IAI3, EXTERNAL TANK (TIO) SEPARATING FROM ORB. CO

(RTJT79) (31 JJL 75

PARAMETRIC DATA

	X YY 72
	z z z
	0000 . 00+1 0000 . 000+
	T 1 g
₹	2545 27450 27450
ENCE DATA	SQ.FT. INCHES INCHES
REFERENCE	2890.0000 1290.3000 1290.3000
	SPEF LREF BREF SCALE

000.08 -5.600

PTOTAL ...

DBE TA . ATLRON .

4.520 -5.000 -10.000 .000

ALPRA O DALPRA E

	CA .09099 .09348 .09419 .09421 .09358
	CBL. . 00002 . 00003 . 00003 . 00003
	CYN .01732 .01839 .02023 .02005 .2005
	.08439 .07651 .07324 .07323
4.83	04098 05033 05033 06291 06269
BN/.	CN 28473 22416 22324 22198 22198
NO. 225/ 0	2 361.600 400.610 599.610 999.830
S.	X 255 376 1197 337 200 - 062

n/¥

(31 .00, 75 )	ATA	PF07AL = 80.000 9E7A = .000 09E7A = 5.000 A1LRC = 15.000				(31 34, 75 )	АТА	PTOTAL = 60.000 BETA		
(817,180)	PARAMETRIC DATA	9 000. 10.000. 4 000.		CA . 09164 . 09327 . 09424	.09368 .09612	(RTJT81)	PARAMETRIC DATA	4.520 P		CA . 09086 . 09358
	_	MACH ALPHA OALPHA EELEVTR		CBC 00000 00000 00000	.00000.		_	MACH ALPHA - OALPHA - ELEVTR -		CBL 00001 .00000
OH 098. 09				CYN 02168 02050 02141	02119	OH ORB. 09				CYN 01781 02028
DATA. 1A13,EXTERNAL TANKITIO)SEPARATIM9 FROM ORB. 09				CY 07168 07416 07416	07397	1A13,EXTERNAL TANKITIO)SEPARATING FROM ORB. 09				CY 08414 07863
TANK (T10) SE			4·83	CLM -, 04237 -, 05615 -, 06075	06221	FANK (T10) SE			£.83	CUM 03918 05795
3,EXTERNAL		403.0000 1N. XT .0000 1N. YT 400.0000 1N. ZT	RN/L -	CN 28822 23650 22174	22045	3,EXTERNAL		1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT	- 1/M	CN - 28849 - 23487
IAI3		• • •	. 226/ 0	301.420 400.660 599.700	999.550 1299.300	IVI			. 227/ 0	2 300.300 398.910
1	E DATA	FT. XHRP HES YHRP HES 27480	ALN NO.	300 300 921.	.078		E DATA	FT. X489 HES Y489 HES Z489	FC4 NO.	×
: <b>3</b>	REFERENCE	2880.0808 SQ.FT 1290.3000 INCHE 1290.3000 INCHE , 2100					REFERENCE	2690,0000 SQ.FT 1290,3000 INCHE 1290,3000 INCHE		
DATE SE AUG 13		SREF BREF 9CALE						SREF BREF SCALE .		

OP. COR QUALITY

DATE OF	DATE OR AUD 75	1413 \$	IAI3 SOURCE DATA							PAGE	OE 160
			EIVI	EXTERNAL 1	1A13,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09	PARATING FR	OH OHB. 09		(RTJ182)	(3) (31 JUL 75	ال الاستار الاستار
	REFERENCE DATA	ATA							PARAMETRIC DATA	: DATA	
SCALE .	2690.0000 SO.FT. 1290.3000 INCHES 1290.3000 INCHES	4486 7.488 7.488	0.003	1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				HACH - ALPHA - OALPHA - ELEVTR - Y	6.350 -5.000 -20.000 -20.000	PTCTAL BELTA BOSETA ALLOCH	000°.00°.
		EN NO.	228/ 0	FBV/L	4,82						
	*	178 787 773 010	2 601.990 799.720 899.980 1296.600	CN 46162 44193 43653	-, 08418 -, 09190 -, 09485 -, 09814	. 003 <b>05</b> . 00120 00141	CYN 00174 00157 00060	CBL -,001::2 -,00001 -,00001	CA .09745 .10052 .10064 .10296		
			E141	EXTERNAL 1	IAI3,EXTERNAL TANK(TIDISEPARATING FROM ORB. 09	PARATING FR	OH ORB. 09		(RTJ193)	3) (31 JUL 75	الا د
	REFERENCE DATA	ATA							PARAMETRIC DATA	: DATA	
25 CALC 1.000 1.00	2690.0000 SQ.FT. 1250.3000 INCHES 1260.3000 INCHES	<b>884</b>	6. W01.1	1403.3000 19. XT .0000 19. YT 400.0000 19. ZT				MACH ALCA DRIAM ELEVER	4.520 -5.000 -20.000 .000	PTOTAL • BETA • DBETA • ALRON •	000.000
		25 25	820/ 0	PN/L .	f. 84						
	x ' ' ' '	855 855 855	2 602.090 799.430 1000.300	CN 48972 43793 43793	CLM 07186 09915 09513 09668	-,00050 -,00017 -,00050 -,00018	CYN 00033 00057 00057	CSC 00002	. 10093 . 10090 . 10082		

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DATE 02	DATE 02 AUG 75	1413	IAI3 SOURCE DATA							A	PAGE 161
			IAIS	EXTERNAL	TANK (T10) SE	IAI3,EXTERNAL TANK(TIO)SEPARATINO FROM ORB. 09	3H ORB. 09		(RTJTB4)	H) (31 JUL	ال الا د الا
	REFERENCE DATA	MTA							PARAMETRIC DATA	: DATA	
SREF .	2890.0000 30.FT.	XHRP YHRP ZHRP	• • •	1403.0000 1N, XT .0000 IN, YT 400.0000 IN. ZT				HACH ALPHA BOALPHA BELEVTR	60.000 -20.000 -20.000 -20.000	PTOTAL - BETA - DBETA - ALLRON -	000°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°
		F. KO.	. 230/ 0	RN/L -	<b>₹</b> .83						
	12	2.5. 1.1.0 1.0.0 1	2 602.130 800.130 995.820 1300.000	CN 46412 44436 43790	CLM 09413 09211 09311 09647	CY 00464 00291 00068	. 00053 . 00051 . 00051	CBL 00002 00002 00001	CA . 09715 . 10055 . 10295		
			IAI	, EXTERNAL	TANK (T10) SEI	IAI3,EXTERNAL TANK(TIO)SEPARATING FROM ORB. 09	OH ORB. 09		(RTJT85)	51 (31 JAL 75	a K
	REFERENCE DATA	DATA							PARAMETRIC DATA	DATA	
SPEE LPEF BPREF SCALE	. 1290, 3000 INCHES 1290, 3000 INCHES 1290, 3000 INCHES	23486 23486	1403	1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				HACH ALPHA - DALPHA - ELEVTR - Y	4.520 -5.000 -20.000 .000	PTOTAL BETA BOBETA BAILRON B	90.000 .000 -5.000 10.000
		PEN NO.	. 231/ 0	RN/L .	4.83						
	×	× 007       	2 603.330 799.870 899.940 1298.300	CN 48430 45200 43950	CLM 07539 08671 09588	. 09277 . 09150 . 08782 . 08867	.01768 .01761 .01837	CBL .00003 .00002 .00002	. 09240 . 10098 . 10088		

# 1A13,EXTERNAL TANK (T10) SEPARATING FROM ORB. 09

y		
5		

							1413	EXTE.	3	TANK (T10) SI	1413,EXTERNAL TANK (T10)SEPARATING FROM ORB.	OM ORB. 00		(ATJTE	(RTJ186) (31 JUL 75	JE 78 .
		REFERE		NCE DATA										PARAMETRIC DATA	: DATA	
58	8 2	0.0000	50.5			•	1403.0000 IN. XI	2000	×				MACH	4.520	PTOTAL .	80.000
	<u> </u>	0.3000	1290.3000 INCHES		8	<b>.</b> .	1000.000 IN. ZT	.0000 IN. 21					OALPHA .	-5.000	06TA •	3.000
SCALE .		. 0100	_										ELEVTR .	000	AILRON .	10.000
				ā	2		0 /616	à	•	ם נ			•	2		
				} ,	į		•	2	,	, x	?	}	ē	į		
				, E		603.540	2	, K.	305	07743	09016	01989	00005	.09337		
				Z		9.6		44875	33		08921	02055	00004	.10076		
				.078 .9+3	-	299.900 298.400		43870	5 E	•	09053 09085	+6610'-	00003 00003	.10073		

# (RTJT87) ( 31 JUL 75 ) 1A13, EXTERNAL TANK (T10) SEPARATING FROM ORB. 09

PARAMETRIC DATA	ALPHA - 4.520 PTOTAL - 80.000 ALPHA5.000 BETA000 DALFHA20.000 DRETA - 5.000 ELEVTR000 AILRON - 10.000 Y		CBL CA 00008 .08125 00004 .10090 00003 .10078 00003 .10292
	χ		8 3 5 5 5
			CYN 01867 01968 01992
			09417 04178 08909
		F. 0.7	CLH 07210 08888 09455
	1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT	RWL .	CN 49133 45366 44143 44070
		). <b>233</b> / 0	Z 602.080 799.350 1000.300
REFERENCE DATA	A.F.T. XORPHOLES YHRP	RUN NO.	x 753. 80. 82. 89.
EF ERE)	2000 2000 2000 2000 2100		
-	0682 0882 0882 0882 0882 0882 0882 0882		
	STEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE > .0100		

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DATE 02	DATE OF AUG 75		IA13 94	IA13 SOURCE DATA							PAGE	36 163
				IAI3	IAI3,EXTERNAL TANK(TIO)SEPARATING FROM ORB. 09	ANK (T10) SEP	ARATING FRO	# 048 .09		(RTJT88)	8) (31 JUL	4 25 3
	REFE	REFERENCE DATA	<							PARAMETRIC DATA	: DATA	
SPEF LREF BPREF SCALE	2630.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES	SO.FT. INCHES INCHES	X 1489	0.007	1463.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				MACH = ALPHA = OALPHA = ELEVTR = Y	000. 000. 000.	PTOTAL BETA - DEETA -	000.011
		Œ	RCN NO.	234/ 0	BN/L	<b>8</b> .36						
		>		2	3	ਝੌ	ç	S.S.	CPIL.	5	•	
		, –	.123	2.613	01566	00188	<b>€</b> 0000.	00024	£0000 .	60060.		
			371.	100.730	01336	00033	. 0000	00030	.0000	.08942		
		•	.038	198,070	01411	.00467	000100	00039	£0000 ·	09860		
		-	. 187	301.750	00068	.00037	01000	-,00024	50000.	5 × 100		
		-: '	<b>6</b> 6 ;	399, 900	00022	£1000.	.00033	00022	.00003	08767		
		wi -		583.980	00661	. 000 -	. 0000	00000	£0000	.08726		
		<del>.</del> ^	203	300.300	00242	.00006	00028	91000 -	.00003	08948		
		α	3	235/ 0	RR/L	6.59						
		>		•	3	2	7	CYN	<b>18</b> 5	₹		
		V 1001	Ģ	1 1 1 1	E-600	01663	.00033	.00037	.0000°	. 68922		
		400.380	2 9	100.110	01736	00311	₩0000.	00034	.00003	96680		
		400.410	0	200.190	02160	68900.	.00037	8+000'-	.0000	. 08865		
		400.330	130	300.090	00716	.00274	. 00032	-,00030	.00003	.08774		
		400.390	190	399,990	00239	01000.	+1000	-,00025	.00003	.08796		
		400.430	30	598.890	00199	00081	00020	12000'-	£0000 .	97480.		
		400.460		799.830	00231	10000	00039	00015	£0000.	08740		
		400.540		1000 . 100	00330	00063	0000	80000.	5000.	300		
		•	₹ ₹	. 236/ 0	RN/L .	6.39						
		×		^	3	รั	č	Z.	평	5		
		800.800	300	1.472	- 04009	03995	.00253	<b>16</b> 000 .	<b>\$</b> 0000 .	. 10203		
		800.570	570	100.030	02755	01002	≥0100.	80000	€0000.	12680		
		800.570	570	200.130	02593	. 00377	.00022	00001	£0000°.	.0897 <b>5</b>		
		830.570	570	300.740	00971	.00061	90000.	00017	£0000°.	. 08855		
		800,490	06+	400.030	00802	C1100.	00012	00016	£0000.	64880		
		600.630	530	989.940	00171	00066	00027	C1000.	£0000.	.08729		
		800.5+0	240	799.800	002 <b>99</b>	00003	60000 -	00021	£0000.	.08791		
		900 - 690	989	986.960	- 00368	00120	000 <b>53</b>	00050	.0000	. 08734		

n. E

(31 JAL 75)

(81,1188)

# IA13,EXTERNAL TANKITIO) SEPANATING FROM ORB. OF

PARAMETRIC DATA	MACH - 4.530 PTOTAL - 110.000 ALPHA000 BETA000 DALPHA000 DBETA000 ELEVTR - 10.000 AILFON000 Y	CLM CY CYN CBL CA03513 .0012200027 .00034 .1096301690 .00075 .00011 .00003 .0894500221 .00011 .00003 .0894600229 .00066 .00003 .00003 .089460002700011 .00000 .00003 .084620006700011 .00000 .00003 .08961000780001100001 .00003 .08911001730002200023 .00003 .08683	IAI3,EXTERNAL TANKLI10) SEPARATING FROM ORB. 09 (RTJ189) (31 JUL 75 ) PARAMETRIC DATA	HACH - 4.530 PTOTAL - 110.000 ALPHA000 BETA000 DALPHA10.300 OBETA000 ELEVTR - 10.000 AILRON000	6.57  CLM CY CYN CBL CA02%20 .00005000%3 .00000 .0899403325 .00001000%3 .00001 .0919904%400001900022 .00002 .0928204%33 .0000100013 .00002 .0928204%3900013 .00001 .0928204%390001300013 .00002 .0932904500000300042 .00001 .09329028390001100042 .00001 .09449028390001100042 .00001 .09449
	403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT	CN CN CN CN CN CN CN CN CN CN CN CN CN C	EXTERNAL TA	00 IN. XT 00 IN. YT 00 IN. ZT	CN CN - 18720 - 13319 - 13772 - 13772 - 13772 - 19772 - 19772
	7747 - 1403.0000 7747 - 400.0000	2 2 178 99 . 679 290 . 100 399 . 560 599 . 560 599 . 560 1000 . 100	IA13.	2)459 = 1403,0000	238/ 0 299.870 399.580 602.310 800.130 899.330 299.400 239/ 0
REFERENCE DATA	SMET - 2880.0000 SO.FT. XH LMET - 1290.3000 INCHES ZH BMET - 1290.3000 INCHES ZH SCALE0100	X X X X X X X X X X X X X X X X X X X	REFERENCE DATA	SPEF = 2680.0000 SQ.FT. XM LMEF = 1290.3000 INCHES YM BMEF = 1290.3000 INCHES ZM SCALE = .0100	X . 185 185

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IA13 SOURCE DATA	
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SREF . LREF . BREF . SCALE .

(RTJ190) (31 JUL 75 )

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SEPARAT
TANK (T10)
ERNAL T
A13,EXT
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	000. 000. 000.					
DATA	PTOTAL - BETA - DBETA - ALLRON -					
PARAMETRIC DATA	4.530 .000 -20.000 :0.000		CA .09437 .09713 .09852 .77790.		CA .09650 .09799 .09773	CA . 09726 . 09846 . 09702
	MACH ALPHA DALPHA DALPHA TELEVTR		CBL 00001 00001 .00000		CBL 00001 .00000 .00000	CBL 00001 00001 .00000
			CYN 00037 00017 00024		CYN 00014 00030 00024 00022	CYN .00010 00028 00035
			CY 00069 00018 00028		CY 00038 00033 00071	CY 00045 00050 00052
		6.57	CLM 06708 07571 08070	6.57	CLM 08014 07512 08122 08085	6.57 CLM 08413 07562 07710
	1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT	FN/L .	CN -,36579 -,33516 -,32441 -,32541	RN/L	CN -,34181 -,33802 -,32437 -,32488	CN 33747 34035 33418 32389
		RUN NO. 243/ 0	2 600.700 799.920 1000.200	RUN NO. 2447 0	2 601 <u>2</u> 10 800.220 1000.000 1299.800	RUN NO. 245/ 0  2 800 600.720 300 799.130 700 999.560 700 1299.800
REFERENCE DATA	SO,FT, XHRP INCHES YHRP INCHES ZHRP	Z X	X 461.500 460.160 450.430 406.470	PCN X	X 800.970 800.470 800.570 800.59	RUN NG 1200 . 800 1200 . 300 1200 . 700 1200 . 700
REFERE	2690.0000 50,FT. 1290.3000 INCHES 1290.3000 INCHES					

DATA
SOURCE (
1413
K
<b>V</b>
8
DATE

(RTJTB1) ( 31 JUL 75 )	PARAMETRIC DATA
IAI3,EXTERNAL TANK(TID)SEPARATING FROM ORB. CB	
	ATAC POLICE

PAGE 167

	000. 000. 000.																														
DATA	PTOTAL BETA - DBETA - ALLRON -																														
PARAMETRIC DATA	4.530 .000 .000 10.000		₹	.08788	.08781	08780.	.08636	64980.	96980.	64990.	.08/6		ర	<b>606</b> 80°	.08810	.08735	.08668	.03716	.08687	08648	.08743		క	<b>≯</b> 6060°	.08765	16280	.08766	57780.	08672	08710	. 08643
	MACH ALPHA BOALPHA BELEVTR		<del>1</del>	£0000°	<b>₹0000</b> .	<b>50000</b> .	¥0000°	*0000·	4000b.	+0000°	+0000 ·		CBL	₩0€.70.	.00003	¥0000.	<b>+</b> 0000 ·	.00005	. 00005	+0000.	.00005		CB.	£0000°.	.00003	.00003	<b>+0000</b> .	+00000.	÷.0000 ·	<b>+0000</b> .	<b>50000</b> .
			Cys	00093	64000.	. 60143	00023	00020	- 0005+	+1000·-	00018		CYN	00427	00050	04100.	.00062	+1000	00007	€0000.	00015		CYN	00851	00232	96000'-	.00026	.00063	.00006	61000.	. 00022
			Շ	00753	00731	·. 00384	00008	÷1000.	00007	. 0000₹	.00023		ბ	00677	00727	00426	0020	.00018	.00031	.00053	00005		Շ	91110	-,00592	00238	00239	₹100:-	95000.	.00075	.00067
		6.58	£	.00156	16100.	.00413	00047	.00003	00070	. 00003	00015	6.58	ç	00498	<b>38000</b> .	17500.	.00287	<b>\$</b> 0000 .	00078	90000.	00047	6.58	E)	01755	00408	.00634	.00103	.00108	00070	80000	001 <b>16</b>
	1403.0000 1N. XT .0000 1N. YT 400.0000 1N. ZT	BN/L	8	01498	01362	٠- ، 00924	£1000.	00024	00176	00135	60239	RN/L =	ž	01658	+8⊆10·-	01393	00499	00025	00188	00201	00291	RN/L -	ટ	01902	02371	02775	10600	00710	00181	00287	00367
		). 246/ O	7	7.032	100.250	199.590	302.730	399.870	599.820	799.710	1000.300	0. 247/ 0	.,	9.167	100.090	199.330	296.670	396.280	599.090	799.800	1000.100	RUN NO. 248/ 0	7	9.791	99.816	204.860	300. 530	400.030	600.030	799.590	1000.000
REFERENCE DATA	SQ.FT. XHRP INCHES YHRP INCHES ZHRP	PCN NO.	×	760.	.075	911.	3115	168	<b>香</b> 二.	. 260	. 205	RUN ND.	×	400.350	400.350	400.390	400.330	400.270	400.410	400.420	400.490	N NOW	×	800.660	800.660	800.520	900.490	800.590	600.630	800.600	600.610
REFE	SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE * .0100																														
	W 92 C W																														

# 1A13,EXTERNAL TANKITEDISEPARATING FROM ORB. 09

PARAMETRIC DATA	HACH - 4.530 PTOTAL - 110.000 ALPHA000 GETA000 DALPHA000 OBETA000 ELEVTR - 10.000 A!LRON000 Y200.000		CBL . 20003	401 .00003 .09317 315 00004 08803	<b>*0000</b> .	.00003	. 00005	018 ,00004 ,08575 023 ,00004 ,08575	. 09 (RTJT92) (31 JUL 75 )	PARAMETRIC DATA	MACH • 4.530 PTOTAL • 110.000 ALPHA •		<b>GB</b>	00000	£0000.	0000 0000 0000 0000 0000 0000 0000 0000 0000	.00002	016 .00003 .09206		Ę	00000	10000.	€0000.	€0000.	.00003	1005 .00002 .0921 <b>3</b>
	XT YT 2.T	6.58	CY 01822		5,000 6,000 6,000 		. 00059	00070 .00038 .00018 00160 .00038 .00023	IAI3,EXTERNAL TANKITIO)SEPARATING FROM ORB. 09		XT Y T Z	6.57	CLM CY CYN	01132	00431	04472 .0002100020 04472 .00003100009	62000	8+000.	6.57	CLM CY CYN	00816	00430	00043	0,000	. 00027	04587 .0005500005
REFERENCE DATA	T. XMSP = 1403.0000 IN. ES YMSP = .0000 IN. ES ZMRP = 400.0000 IN.	RUN NO. 249/ 0 RN/L =	x 2 CN 1200,700 10.09504269	99.775	1200.800 200.12001393 12001393	900 399.530	.800 599.530	1200.900 800.30000391 1200.300 1000.00000329	I A I 3, EXTERNAL	REFERENCE DATA	SREF = 2690.0000 SQ.FT, XMRP = 1403.0000 IN. Y LREF = 1290.3000 INCHES YHRP = .0000 IN. Y BPEF = 1290.3000 INCHES ZHRP = 400.0000 IN. Z SCALE = .0100	RUN NO. 250/ 0 RN/L =	CN X	.115 300.020	399.610	13750 - 040 600 475.	999.300	_	RUN NO. 251/ 0 RW/L .	x 2 CN	.440 300.040	400.510 399.94015790	-	·	400.540 1000.10013839	400.440 1300.40013981

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DATE OZ AUG 75	r.	1413	IAI3 SOURCE DATA	NTA					ļ	ā.	PAGE 169
REFERENCE DATA	o S	ATA	2	IAI3,EXTERNAL TANKITIO)SEPARATINO FROM ORB. 09	1.A.K.(110)SE	ARATING FR	8 2 5 5		(RTJISE) PARAMETRIC DATA	IRTJI92) ( 31 JUL /5 FETRIC DATA	۲ و
SAEF = 2690,0000 9 LPEF = 1290,3000 1 SCALE = .0100	90.FT. INCHES INCHES	XHRP YHRP ZHRP ZHRP RUN NO.	ж. ж	.0000 IN. XT .0000 IN. YT .0000 IN. ZT				MACH ALPHA DALPHA ELEVIR Y	4.530 .000 .000 10.000 200.000	PTOTAL • BETA • DBETA •	000 · 011
	8008 8000 8000 8000 8000	x 800.500 800.770 800.810 800.740 800.740	2 300.230 400.590 600.090 799.730 1000.100	CN - 18553 - 16208 - 14515 - 13712 - 13782	CLM 03736 03814 04150 04423 04458	00003 00081 00102 .00064 .00076	CYN 00200 00092 .00083 .00010	CBL .00002 .00003 .00003	CA .09235 .09296 .09245 .09282 .09283		

				IAI3, EXTERNAL TANKITIOISEPARATING FROM ORB. 09	088 . 09		(RTJT	(RTJT93) (31 J.C. 75 )	JE 75 J
	REFERENCE DATA	ATA					PARAMETRIC DATA	DATA	
- 3365	SPEF • 2690.0000 SQ.FT.	<u>\$</u>	•	- 1403.0000 IN. XT		HACH	4.530	PTOTAL .	110.000
LREF	1290.3000 INCHES	d X	•			ALPHA .	000	BETA =	
BREF.	1290.3000 INCHES	2489	•	■ 400.0000 IN. ZT		DALPHA -	-20.000	DBETA .	000
SCALE .	0010					ELEVTR .	10.000	ATCRON .	000
						• >	200 . 000		
		2	•						

CA .09183 .09263 .09231 .09255 .09173

CBL .00002 .00002 .00003 .00003

.00171 -.00138 .00063 .00042 .00012

-.04316 -.04316 -.04154 -.04154 -.0485

CN -.16367 -.15384 -.14735 -.14080 -.14024 -.13657

2 299.970 399.846 598.800 799.990 1000.200

x 1200.800 1200.700 1200.600 1200.800

6.57

RUN NO. 2537 0

	01 m m c
	CA . 09399 . 09713 . 09853
	CBL
	CYN . 00245 00022 00013
	00724 00035 .00036
n. n	07098 08118 08034
• 1/KW	33v81 32332 32392 12569
è.	2 600 . 180 800 . 180 999 . 600 1298 . 300
E	x -,395 -,021 -,858

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PAGE 170

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SOURCE
IAI3
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DATE

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DATE 02 AUG 75	AUG 75		1A13 St	IAI3 SOURCE DATA									
				IAI	EX (ERNAL	1413, EX (ERNAL TANK (T. D) SEPARATING FROM ORB. 09	PARATING FR	2H ORB. 09		(RTJ194)		(31 AL 75.)	
	REFER	REFERENCE DATA	_ ₹							PARAMETRIC DATA	DATA		
SAEF SAEF SCALE	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES	SQ.FT. INCHES INCHES	X 1889 X 1889 X 1889	0.007	1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT				MACH ALPHA DALPHA BELEVTR	000.005	PTOTAL BETA BOBETA BOBETA BILRON	000. 000. 000. 000.	
		•	PUN NO.	658/ 0	FBN/L	9.60							
		×		2	ક	ر ت	č	CYN	<b>18</b> 5	3			
		•	600.	7.208	01442	.00157	00741	98000°-	.00003	08787			
		٠.	.032	100.340	01335	₩8100.	00705	. 00058	.00003	98739			
		٠.	.083	199.710	00911	.00426	00375	06100	+0000	3/080.			
		•	₹.	302.780	₩2000.	00032	. 00035	00014	+0000°	Pecen.			
		7	016	353.780	+0000-	.00021	60000.	00015	*0000.	. 080c4			
		•	118	599.980	00153	B+000	00019	00019	+5000 ·	. 08624			
		•	16	799.72f	00106	21000.	.00025	00017	₹6000°	. 08571			
		•	_	000.400	00218	.0000	<b>+</b> 0000.	00021	₩0000.	.08710			
		-	EN KO	259/ 0	RN/L .	6.60							
		×		~	Z	CLM	Շ	CYN	SP	క			
		400 350	360	690	01252	-, 00659	00685	00397	₩0000	. 08B74			
		075.001		000	97.510	OUGE	00589	00055	.00003	.08790			
		400.340	340	050.001	- 01487	62500	00411	.00152	₩0000.	.08587			
		0,0.00		205.200	CB200 -	F0F00	00184	37003.	50000.	.08620			
		400.360	3,00	796.220	00010	.00026	00010	.00002	+0000°	. 0866 <b>6</b>			
		100 450	9	598.990	00136	DOO47	.00053	00005	.00005	.08627			
		400 180	99	799.730	-,00145	\$000°	.00052	£0000.	₩0000.	.08603			
		400.410	101	000.000	₹2200 -	00025	1,000.	00005	<b>↑</b> 0000.	.08677			
		_	RUN NO.	260/ 0	RN/L	<b>6</b> .50							
		×		2	8	5	Շ	C,	쩑	ర			
		800.580	580	9.890	01358	01817	01217	00847	+0000°	£+060·			
		800,490	063	99.784	01845	64500	-,00693	00202	.00003	.08793			
		800.500	200	204.740	02508	. 00562	00243	16000	.00003	18,80.			
		800.650	650	300.440	00877	.00110	00250	.00020	<b>*0000</b> .	. 0877 <b>2</b>			
		800.460	460	400.030	00663	.00130	00122	19000.	₩0000.	.08718			
		800.560	260	599.990	00123	00043	0.00070	. 00013	70000.	.08509			
		900.560	260	799.550	00222	62000.	06000.	.00022	¥0000.	.08641			
		800.500	-	000.0001	00284	00076	. 00055	₹0000.	<b>5</b> 0000.	. 08597			

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(RTJTS4) (31 JUL 75 )

# 1A13,EXTERNAL TANKITIO)SEPARATING FROM ORB. 09

	000.011
	PT0TAL • 110.000 BETA • .000 DBETA • .000 ALRON • .000
PARAMETRIC ONTA	4.520 .000 .000 -40.000
	HACH ALPHA DALPHA ELEVTR F
	X
	XMRP = 1403.0000 IN. XT YMRP = .0000 IN. YT ZMRP = 400.0000 IN. ZT
	XMRP
E DATA	FT. XMRP HES YMRP HES ZMRP
REFERENCE DATA	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100
	SREF LINEE BREF SCALE

	CA 10158 09329 08827 08811 08757 08631
	CBL .00003 .00005 .00004 .00009 .00004
	CYN0058800450002100007900035
6.60	02857 01739 00466 00046 .00047 .00036 00036
- Y.X.	CN 03444 02240 00313 00173 00179 00179 00320
0. 261/ 0	2 12.529 99.732 200.230 299.550 399.470 599.370 800.120
PCN NO.	x 1200.800 12:0.900 12:0.700 12:0.800 12:00.700 12:00.900

# IAI3, EXTERNAL TANK (TID) SEPARATING FROM ORB. 09

(RTJT95) (31 JUL 75 )

	000.		
DATA	PTOTAL • BETA • DBETA • AILRON •		
PARAMETRIC DATA	4.530 .000 -10.000 -40.000		CA .09889 .09003 .09150 .09150 .09172 .09032 .09032 .09168 .09267
	MACH ALPHA - DALPHA - ELEVTR - Y		CBL
			CYN
			CY 001124 00046 .00001 .00045 00885 00046 .00038
		6.60	CLM 02791 03709 043709 043709 043709 043709 043709 043709 04335 04335 04335 04335 04335 04335 04335
	. 1403.0000 IN. XT 0000 IN. YT 400.0000 IN. ZT	FN/L	CN - 18910 - 14213 - 13562 - 13562 - 13562 - 13562 - 13562 - 13938 - 15740 - 15740 - 13576 - 13576 - 13831
		. 262/ 0	23 399.500 223 399.500 223 602.110 191 799.860 029 999.320 193 1299.500 193 299.900 370 299.980 2 2 2 2 2 2 2 370 299.900 400 799.900 400 799.900 400 799.900 550 600.200 550 600.200 550 1000.200 550 1300.300
E DATA	FT. XMRP HES YMRP HES ZMRP	RUN NO.	X .214 .023 .223 .191 .029 .193 .193 .193 .193 .193 .193 .193 .19
REFERENCE DATA	2650.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES		
	SREF . LREF . BREF .		

IAI3 SOURCE DAT
e E
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DATE

DATE 02 AUG 75	AUG 75		1 × 1 × 5	ş	IAI3 SOURCE DATA				PA	PAGE 173
					1413,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09	8. 98 98. 98		(RTJTS	(RTJ195) (31 JUL 75	J. 275 J
	REFEREN	NCE DATA	⋖				-	PARAMETRIC DATA	DATA	
SPEF BREF BREF BREF BREF BREF		DES OPES OPES	X + 186 2 + 186 2 + 186		2690.0000 SQ.FT. XMRP = 1403.0000 IN. XT (290.3000 INCHES YMRP = .000C IN. YT 1290.3000 INCHES ZMRP = 400.0000 IN. ZT .0100	MACH ALPHA DALPHA ELEVIR		. 530	PTOTAL - BETA - OBETA - AILRON -	000.011

ర	84260.	.09306	.09206	. 09209	97160.	. 09138		ర	.09164	.09260	56160.	.09203	. 09135	60.00
평	.0000	. 00002	€0000.	.00003	.00003	.00003		85	.00003	.00003	. 00002	.00003	€0000.	2000
CYN	00127	00083	.00087	€1000.	¥1000·	.00003		CYN	.0008	00118	.00027	0,000.	€1000.	10000
Շ	00155	00091	00103	£6000°	.00063	.00033		Շ	00438	00007	00054	.00003	.00068	
£	B0040'-	04225	04121	04364	04393	04459	6.60	ઠ	-,04725	04616	04129	04310	04437	- 04177
Š	17545	15304	14479	-,13589	-,13853	13641	RN/L .	3	15171	15019	14671	14001	13954	13530
7	300.250	400.750	600.210	799.750	1000.000	1299.600	0. 285/ 0	2	200.120	399.880	598.770	799,760	1000.100	299,500
×	800.680	800.730	900.740	800.590	800.670	800.750	<b>3</b> C8	×	1200.800	1200.700	1200.600	1200.700	1201.000	1200.700
	Z CN CLM CY CYN COL	2 CN CLM CY CYN CBL 300.25017545040880015500127 .00001	Z CN CLM CY CYN CBL 300.250 -,17545 -,04008 -,00155 -,00127 ,00001 400.750 -,15304 -,04225 -,00091 -,00083 ,00002	Z CN CLM CY CYN CBL 300.250 -,17545 -,04008 -,00155 -,00127 ,00001 400,750 -,15304 -,04.225 -,00091 -,00003 600.210 -,14479 -,04121 -,00103 ,00087 ,00002	2 CN CLM CY CYN CBL 300.2501754504080015500127 .00001 400.75015504042250009100083 .00002 600.210144790412100103 .00087 .00002 799.7501358904364 .00093 .00012 .00003	2 CN CLM CY CYN CBL 300.2501754504080015500127 .00001 400.75015304042250009100103 500.210144790412100103 .00087 .00002 799.7501358904364 .00093 .00012 1000.0001385304393 .00063 .00014 .00003	X         Z         CN         CLM         CY         CYN         CBL         CA           800.680         300.250        17545        04008        00155        00127         .00001         .09249           900.730         400.750        15304        04225        00091        00002         .09306           900.740         500.210        14479        04121        00103         .00087         .00002         .09206           800.500         799.750        13559        04364         .00093         .00012         .00003         .09209           800.670         1000.000        13853        04393         .00063         .00003         .00003         .09179           800.750         1289.600        13641        04459         .00033         .00003         .00003         .09138	Z         CM         CLM         CY         CVM         CBL           300.250         -,17545         -,04008         -,00155         -,00127         ,00001           400.750         -,15304         -,04225         -,00091         -,00083         ,00002           799.750         -,13589         -,04364         ,00093         ,00012         ,00003           1000.000         -,13641         -,04459         ,00033         ,00014         ,00003           MO. 2657 0         RN/L = 6.60         -         -         -         -         -	Z CN CLM CV CYN CBL 300.25017545040880015500127 .00001 400.75015304042250009100083 .00002 500.210144790412100103 .00087 .00002 799.7501356904364 .00093 .00012 .00003 1000.0001365104353 .00063 .00014 .00003 1299.6001364104459 .00033 .00003 NO. 2857 0 RN/L ■ 8.60	2 CN CLM CLM CY CYN CBL 300.25017545040880015500127 .00001 400.750153040422500103 .00083 .00002 500.210144790412100103 .00087 .00002 799.7501358904364 .00093 .00014 .00003 1000.0001364104459 .00033 .00014 .00003 NO. 2657 0 RN/L • 6.60  Z CN CLM CY CYN CBL 200.120151710472900438 .00089 .00003	Z CN CLM CV CYN CBL 300.25017545040880015500127 .00001 400.75015304042250009100083 .00002 500.210144790412100103 .00012 .00002 1000.0001359304354 .00033 .00014 .00003 1299.6001364104459 .00033 .00003 .00003 Z CN CLM CY CYN CBL Z CN CLM CY CYN CBL 200.120151710472500438 .00088 .00003 399.880151710472500438 .0018 .00003	Z         CM         CLM         CY         CYN         CBL           300.250         -,17545         -,04008         -,00155         -,00127         ,00001           400.750         -,15304         -,04225         -,00103         ,00087         ,00002           500.210         -,14479         -,04364         ,00093         ,00012         ,00003           1000.000         -,13693         -,04393         ,00063         ,00014         ,00003           1259.600         -,13641         -,04459         ,00033         ,00003         ,00003           NO. 2657         RN/L •         6.60         ,00033         ,00003         ,00003           Z         CM         CLM         CY         CYN         CQL           200.120         -,15171         -,04725         -,00436         ,00018         ,00003           399.880         -,15671         -,04616         -,00027         ,00018         ,00002	2 CM CLM CY CYN CBL 300.25017545040080015500127 .00001 400.750153040422500103 .00002 500.210144790412100103 .00087 .00002 799.7501358904364 .00093 .00014 .00003 1000.0001364104459 .00033 .00014 .00003 200.1201364104459 .00033 .00004 .00003 2 CN CLM CY CYN CBL 200.120151710472500438 .00003 .00003 250.120146710412900054 .00027 .00003 2580.770146710412900054 .00003	Z         CM         CLM         CV         CVM         CBL           300.250        17545        04008        00155        00127         .00001           400.750        15304        04026        00167         .00002         .00002           500.210        14479        04121        00103         .00003         .00002           799.750        13653        04354         .00063         .00007         .00003           1000.000        13691        04459         .00033         .00003         .00003           NO. 2657         RN/L         6.60        0043         .00003         .00003           399.860        15171        04459        00439         .00098         .00003           399.700        15019        04616        00007        0008         .00003           799.700        16011        04310         .00003         .00002         .00003           799.700        16011        04310         .00003         .00002         .00003

(31 JUL 75)

	AEFE.	HEFERENCE DATA	<u> </u>									PARAMETRIC DATA	C DATA	
585	2690.0000	50.FT.	<del>S</del>	•	403.00	90 .N	×				#ACH	4.530		110.000
LREF	1290.3000	INCHES	YHRP		.0000 IN. YT	00 N.	7.				ALPHA	000		000
336E	• 1290.3000	INCHES	ZHBD		400.004	N 00	7.7				DALPHA .	-20.000	D851A	000
SCALE .	0010.										ELEVTR .	-40.000		000.
											• -	<b>2</b> 00.000		
		Œ	RUN NO. 286/ 0	8		FN/L		6.60						
		×		2		8		5	Շ	N.C	ag S	5		
		505		600.330		33334	2	07009	00713	.00256	00001	8460		
		Ĭ.		300.4		. 3220	Ē.	08042	00002	00015	00000	, 69657		
		ŏ		4.666		. 3219		6+640	+1000	00022	.0000	-09782		
		<u>ه</u> .	_	4.86		. 3245	<b>-</b>	08163	SC000.	00021	.0000	52780		

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FO.	
TANK (T10) SEPARATING FI	
IAI3, EXTERNAL	

(RTJT98) (31 JUL 75 )	C DATA	PT01AL = 110.000 BETA000 DBETA000 A1LRON000						
(RTCI	PARAMETRIC DATA	4,530 .000 -20.000 -40.000		CA .09438 .09629 .09785		. 09654 . 09690 . 09694 . 09649		CA . 09814 . 09751 . 09625
		HACH ALPHA - DALPHA - ELEVIR -		CBL 00001 .00000 .00000		CBL .00000 .00000 .000001		. 00000 . 00000 . 00000
25 . PE				. 00008 . 00116 . 00024		CYN 00065 .0C.459 00005		CYN 00093 .00009 .00082
TO THE PART OF USE. US				CY 00470 00259 00028		CY 00173 00207 .00009		CY 00049 - 00035 - 00095
		<b>5.</b> F. F.	6.60	06838 07656 07991	8.60	07667 07433 08052	6.60	08359 07398 07720 07913
		1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT	RN/L .	CN 35720 33218 32320	RN/L .	CN 34591 33581 32331 32336	RN/L	CN 33799 34119 33179
		XM89 = 1403 YM89 = 400	NO. 267/ 0	2 600.500 797.460 899.850 1300.300	RUN NO. 269/ 0	2 601.360 800.020 1000.000 1299.900	0. 269/ 0	2 600.750 798.780 999.£10 1299.700
	REFERENCE DATA		RUN NO.	x 401.110 400.240 400.270 400.310	25	X 800.940 800.450 800.550 800.450	RUN NO.	x 1201.000 1200.200 1200.700
	REFE	2890.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES						
		SAEF LAEF BAREF SCALE						

SPEF . BPEF . SCALE .

(RTJT97) ( 31 JUL 75 )	
1413, EXTERNAL TANK (T10) SEPARATING FROM ORB, 09	

	000.011																														
DATA	PTOTAL = BETA • DBETA = AILRON =																														
PARAMETRIC DATA	000. 000. 000. 000.		ర	00680	.08812	.08729	. 08592	.08583	. 08590	. 08538	. 086%2		ర	.08774	.08872	.08741	.08634	08546	.08588	84580	. 08617		5	09879	.08863	.08766	.08740	51780.	67580	. 08589	.08528
	MACH ALPHA • DALPHA • ELEVTR •		<del>ද</del>	10000	₩0000.	<b>*0000</b> .	50000.	<b>\$</b> 0000.	.00005	.00005	.00005		8	.00003	.00005	*0000·	÷0000°	\$0000·	.00005	.00003	.0000		ĕ	20000°	50000	\$0000·	¥0000°	₹0000	. 0000 ·	*0000·	<b>→</b> 00000.
			C A	00031	00034	00023	00013	-· 00018	00007	-, 00013	00017		CYN	.00027	00042	0004€	00030	00022	0001	00025	00011		CYN	.00065	00001	00006	00019	00013	00016	00011	00017
			Շ	.0000	00011	10000	60000'-	- ,00005	00011	0001 <b>0</b>	00031		ć	.0000	00006	.00025	90000.	00028	. 00000	00013	00027		ò	. 001 X	61100	<b>8</b> 1000.	80000.	00021	0000 <b>8</b>	<b>4</b> 0000·	00030
		8.50	S.	0018¥	00021	.00473	.00053	94000.	00029	.00030	. 00054	6.59	5	01712	00302	. 00552	.00300	.00052	00025	0,000	<b>≯</b> 0000.	6.59	K-J	040≥5	01037	.00395	.00039	.00133	00031	.00068	**000·-
	1403.0000 IN, XT .0000 IN, YT 400.5000 IN, ZT	BN/L	8	01438	01253	01317	0000¢	¥C000.	00101	00020	00110	BN/L	ટ	00875	01621	02042	00508	00228	00082	00071	00180	RN/L -	ક	03778	02507	02455	0088 <b>6</b>	00745	0008B	90148	00238
	E 00 -	0. 870/ 0	~	2.753	100.650	198.210	301.930	399.750	599.990	799.830	1000.300	RUN NO. 271/ 0	2	-1.488	100.030	200.150	299.990	399.970	598.830	799.690	1000.000	RUN NO. 272/ 0	2	1.647	99.835	200.140	300.780	400.050	599.980	799.570	1000.100
REFERENCE DATA	SO.FT. XMRP INCHES YMRP INCHES ZMRP	PCN NO.	×	<u> </u>	6 ·	001.	. 128	0 t	741.	. 180	. 160	2 Z	×	400.390	400.320	400.360	400.390	400.370	400.380	400.360	400,440	S. K.	×	800.520	800.570	800.560	800.580	800.500	965.008	800.630	800.600
REFER	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES																														

n, (4

IAI3 SOURCE DATA	
٤	
, MG	
8	
DATE	

### PAGE 177

### (31 JAL 75) (RTJ198)

ا الا		000.001																
(RTJ198) (31 JUL 75	DATA	PTOTAL • BETA • DBETA • ALL RON •																
(RTJT9	PARAMETRIC DATA	4.530 .000 -10.000 -40.000		3	0+060	96160	.09157	. 09132	81160.	16060		₹	96160	€0260.	.09138	49160·	₩2060.	.09122
		MACH ALPHA BOALPHA BELEVTR B		<b>6</b>	. 00002	€0000.	£6000.	£0000°.	£0000.	£0000.		둉	£0000°	.00003	£0000.	. 0000€	.00003	.00003
24 ORB. 09				CYN	00030	0001 <b>9</b>	-, 00021	00027	00030	00020		CYN	00014	+00000	00013	00033	00026	00017
PARATING FR				ბ	00050	00028	. 0000 <i>2</i>	00031	€+000·-	00036		Շ	00001	60000.	80000	1+000	00057	00027
IAI3,EXTERNAL TANKITIO)SEPARATING FROM ORB. 09			6.59	CLM	04043	04251	04113	04345	04363	04405	B.59	£	04366	0476 <b>6</b>	04210	04216	04407	04318
3,EXTERNAL		1403.0000 IN. XT .0000 IN. YT 400.0000 IN. ZT	RN/L .	3	17575	15344	-,14564	13551	13779	13535	RN/L .	z	16175	14799	14563	14111	13879	13424
Ī¥Ï			0. 276/ 0	2	300.330	401.080	600.340	799.850	1000.200	1299.600	0. 277. 0	2	300.030	400.080	598.900	799,730	1000.100	1299.400
	REFERENCE DATA	SQ.FT. XMBP INCHES YMRP INCHES ZMRP	P.C. NO.	×	800.710	800.800	800.580	800.680	800.760	800.660	PCN NO.	×	1200.900	1200.700	1200.600	1206.900	1200.800	1200.700
	REFER	2690.0000 1290.3000 1290.3000																
		SPEF BPEF SCALE																

# 1A13, EXTERNAL TANK (T10) SEPARATING FROM ORB. 09

### (RTJ199) (31 JUL 75.) PARAMETRIC DATA

110.000	000	000	000	
٠	•	•	·	
PTOTA	BETA	08ETA	AILRO	
4.530	000	-20.000	-40.000	000.
•	•	•	•	•
MACH	ALPHA	DALPHA	ELEVTR	<b>&gt;</b> -

### RUN NO. 278/ 0

- 1403.0000 IN. XT - 0000 IN. YT - 400.0000 IN. ZT

X748P

SPEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES S BREF = 1290.3000 INCHES S SCALE = .0100

REFERENCE DATA

<b>e</b> 5	00001	10000	.0000.
CAN	E+000'-	00058	00025
č	00039	- 0008 <b>8</b>	00067
5	05959	+1080.−	07910
ક	35111	32204	32160
2	600.770	800.650	989.640
~		. 222	

5	E 4000	000 <b>58</b>	00025	++000
כ	00039	0008 <b>6</b>	00067	00:20
5	05939	080 I4	07910	081 <b>2</b> 4
5	35111	-, 32204	32160	32278
•	600.770	800.650	989.640	1298 500
			019	

CA .08934 .09613 .09732

00000

*j* ,

PAGE 178	(RTJ199) (31 JUL 75 )	PARAMETRIC DATA	50 PTOTAL = 110.000 00 BETA = .000 00 DBETA = .000 00 A1LRON = .000		<b>65</b> − 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		89 1-1 1-2 1-2 1-1-1-1-1-1-1-1-1-1-1-1-1-1		78 35 96 15
	(RT	PARAME	4.530 4.4 - 20.000 71840.000		CBL CA 00001 .09346 .00000 .09591 .00000 .09710 .00001 .09629		CBL CA .00000 .09580 .00000 .09659 .00000 .09592		CBL CA .00001 .09578 .00000 .09735 .00000 .09596
	opeg. 09		MACH ALPHA DALPHA ELEVTR		CYN CBL -,00038 -,000 -,00038 ,000 -,00028 ,000 -,00028 ,000		CYN CBL 00014 .000 00036 .000 00037 .000		CYN CB00012 .000031 .0000330
	1A13,EXTERNAL TANK(T10)SEPARATING FROM ORB. 09				00098 00078 00062				CY 00013 00052 00045
	TANK (T10) SE		1- b- b-	6.60	-,06814 -,07484 -,07947 -,08069	<b>6</b> .60	08007 07436 09017 07952	6.60	CLM 08571 07610 07624
<b>₹</b>	13,EXTERNAL		1403.0000 IN. XT ,0000 IN. YT 400.0000 IN. ZT	FN/L .	CN 36800 3272 3233	- PAN/L	CN 34125 33692 32355	FBN/L -	CN 33342 33907 33355
1A13 SOURCE DATA	<b>4</b>		XHRP = 1403 YHRP = 400	NO. 279/ 0	2 600,760 797.000 797.999	RUN NO. 2807 0	2 601.340 800.150 1000.300 1299.700	RUN NO. 281/ 0	2 600.760 798.880 999.580 1299.700
DATE 02 AUG 75 1A1		REFERENCE DATA	SPEF = 2690.0000 SQ.FT. XM LPEF = 1290.3000 INCHES YM BPREF = 1290.3000 INCHES ZM SCALE = .0100	RUN NO.	X 614,104 000.004 000.100 000.100	RU	X 010.000 000.000 000.000 000.000	RCN	X 1200.800 1200.200 1200.500

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DA: E 02 AUG 75	5 E 14 I	IAI3 SOURCE DATA							a.	PAGE 179
		1413.	SPB (SB) HIT	R SAMPLES SI	1413,SRB(SB)HITH PLINES SEPARATING FROM 09110	30H 09710		(RTJ100)	-	31 JAL 75 1
REFERENCE DATA	DATA							PARAMETRIC DATA	DATA	
SREF • 2690.0000 SQ.FT. LREF • 1290.3000 INCHES BREF • 1290.3000 INCHES SCALE • .0100	T. XHRP ES YHRP ES ZHRP	- 1052.0000 IN. - 00000 IN. - 447.0000 IN.	.052.0000 IN. XT .0000 IN. XT 447.0000 IN. ZT				MACH ALPHA - OALPHA -	000.	PTOTAL • BETA • DBETA • PCHMBR •	11.600 .000 .000 .000
	RUN NO.	303/0	RN/L =	.71						
	×	2	8	K T	č	CYN	<b>18</b> 5	ర		
	Ę.	0 <b>93</b>	.00155	22743	33710	03477	00383	.06407		
	205.	106.901	.07620	24902 2440	58037	09204	.01669	. 06450		
		150.390	.43219	17275	91489	-, 12959	.03416	11428		
	. 138	200.410	.59856	13274	87574	12912	.03599	. 12600		
	. 159	300.100	.76064	08187	57839	12501	.03497	. 15002		
	976.	400.080	. 70477	05622	-,29069	0999 <b>5</b>	.03056	. 15692		
	ر الأور	601.090 801.050	1335: 1	- 02803 00424	- 10191	06460	.01513	86.751.		
		1000.100	.3656	06031	03398	01173	. 00654	. 15258		
	PGN NO.	304/ 0	RN/L .	14.						
	×	2	3	5	ò	CYN	<b>18</b> 5	5		
Ħ	300.230	. 178	. 20535	03877	56375	.06211	04534	61451.		
in .	300.510	48.373	.01071	00313	74553	. 08327	01565	. 14280		
Ĭ i	300 290	99.75	.00022	.00319	93053	96,60	.00633	.15694		
M 1	300.339	151.540	.16796	00672	95482	. 08479	. 02390	.15753		
7		200 040	95838	£ 200	+1908	.05876	. 02844	.16140		
90		293.870 100 230	8260C.	5/520	135927	17150.	86920.	15854		
		509.870	11150	00000	1200	A05.10	25,800	0000		
0 m		798.220	.38263	09567	09007	.01156	76100	14072		
30	300.520	989.020	.41662	-,17669	04347	.00814	.00186	15751		
	RGN NO.	305/ 0	RN/L .	١٢.						
	×	2	3	G.	Շ	C AN	<b>8</b> 5	ర		
09	600.430	<b>198</b> .	9826	19887	46195	.13753	06438	.05680		
90	600.480	51.034	34568	14528	71919	. 2217!	051.14	10940		
90		99.583		06219	94246	.31327	01700	115741		
9		149.210		0950	-1.00730	.33359	. 00138	56151.		
09		199.000		14802	1.94247	.30349	€2600.	.15120		
09		299.820		17104	64522	. 20075	.01116	. 15436		
90		398.950		15919	33944	.10243	.0100	. 14338		
99		601.370		08711	16211	.03538	60377	.14537		
0.0	500.470	800.720 800.800	44356	. 21703	10027	.03986	01362	14917		
3		296.000			04268	. 920 <b>23</b>	00379	16691		

### (RTJ101) ( 31 JUL 75 )

# IA13,SRB(SB)HITH PLUNES SEPARATING FROM 09T10

### PARAMETRIC DATA

	NET ENEMEE UNIA	<u> </u>					
SPET LAEF BREF	• 1290.3000 INCHES • 1290.3000 INCHES • 1290.3000 INCHES	* XX486	 XPFR = 1052.0000 IN. XT YPFR = .0000 IN. YT ; ZPFR = 447.0000 IN. ZT	MACH ALPHA -	, 480 .000 .000 .000	0 PT0TAL = 10.800 0 BETA = .000 0 DBETA = .000 0 PCH-BR = 1500.000	10.800 .000 .000 1500.000
1							

### 8 - 1/Kg RUN NG. 306/ 0

CYN	01040	0104-	01007	00743	1.000	00625	00258	. 0073¥	.00387	.0008
გ	02821	02610	01670	00801	01414	00765	00051	00806	₩9800	00152
C.	01912	02142	02552	62955	03013	03304	03499	02673	02434	02124
ક	09192	-, 09453	098 2	-, 19596	10158	29607	09328	07708	07690	07308
2	208	50.455	100.610	150.520	200.240	300.440	400.560	599.610	799.060	000.666
×	599.510	600.490	800.580	600.520	600.630	600.540	600.610	600.570	600.700	017.009

## (RTJ102) (31 JUL 75 ) IAI3, SABISBINITH PLUMES SEPARATING FROM 09110

### MEFENENCE CATA

PARANETRIC DATA	MACH • 4.510 PTOTAL • 29.000 ALPHA • .000 BETA • .000 DALPHA • .000 DEETA • .000 Y • .000
MEFERENCE CATA	98EF = 2000.0000 50.FT. XHRP = 1052.0000 IN. XT LREF = 1200.3000 INCHES YHRP = .0000 IN. YT BREF = 1200.3000 INCHES ZHRP = 447.0000 IN. ZT SCALE = .0100
	SCALE

2	0. 367 U	- \ - \	£				
	7	£	ş	Շ	3	<b>1</b> 5	ర
ĘĢ.	ers.	01118	03743	06052	00007	00447	. 10515
. 163	48.805	01193	04475	07995	02658	.00536	. 10976
<u>8</u>	522.88	03011	01667	12548	04512	£4600.	114614
<b>\$</b>	148.000	00040	.00390	1770	05099	₹010.	. 14834
11.3.	199.880	.04608	.01311	16283	04103	.00731	. 14633
£78	299.610	.07999	.03862	12604	1.03741	.00337	. 15527
.226	400.010	. 09555	.039+3	09362	02376	.00105	. 16045
Š	601.070	10180.	06400.	03536	00183	<b>*0000</b> .	.15982
951.	801.150	. 13580	05818	E1600'-	00143	.00360	. 19370
.005	939.890	.03608	01483	.00025	-, 00088	. 00059	17327

DATA
SWACE
IAI
10
ALIO 75

DATE 02

CALC

# IA13, SRB (SB) WITH PLUMES SEPARATING FROM 09710

			2	A13,598(	S8) HIT	H PLUMES SE	IAI3, SPB (58) WITH PLUMES SEPARATING FROM OSTIO	OH 09110		(RTJ102)	(3) (3) JUL 75	UL 75 J
REFERE	REFERENCE DATA	<b>.</b>							•	PARAMETRIC DATA	: DATA	
2690.0000 SQ.FT. 1290.3000 INCHES 1890.3000 INCHES	SO.FT. INCHES INCHES	2 4 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		1052.0000 IN. .0000 IN. 447.0000 IN.	* * * *				HACH ALPHA : DALPHA :	3 0000 0000 0000	PTOTAL BETA BETA PCHERA	
	Œ.	PCN NO.	308/ 0		BN/L -	<u> </u>						
	×		~	ક		5	Ş	CYN	뚌	5		
	300.320	0	1 827	•	8	14010.	+1060	00096	00800	1+080		
	300.310	9	48.765	·	513	.02589	15212	.00146	00718	.16170		
	300.380	083	99.649	09793	793	.03651	19229	.00808	- 004-20	16191		
	300.320	50	150.940	•	218	. 03654	20056	.00508	.00157	8+CC 1 .		
	300.380	80	200.980		.00789	. 02415	1740	0022¢	.00463	. 15289		
	300.350		301.530		.04524	. 02078	12093	.00055	. 00069	. 4756		
	300.400		402.110		. 06+39	.01654	08959	.00254	0004B	. 15329		
	300.440	041	599.900		.11584	03810	04309	¥ 10.	+6000 -	17086		
	300.500	003	798.780		. 12656	07572	01256	-002c	00207	17367		
	300.510	013	999.170	•	6+010	35010·-	00088	.00057	68000.	. 17090		
	Œ	PLN NO.	309/ 0		RN/L .	£ :						
	×		2	ક		5	გ	CYN	<b>18</b> 3	ర		
	600.490	96	048		0.04895	01489	09815	.024BB	01686	. 14383		
	600.530	130	51.214		.03370	00824	16797	19140.	01594	.15216		
	600.530	30	100.110		£13	.02468	21222	.06288	6+010	15514		
	600.510	013	149.580	-	2.3	.02141	22009	.07103	-,00545	. 15272		
	600.470		199.080	•	687	.01386	20581	. 06906	00481	. 15222		
	600.530		298.590		.05352	00645	13412	.04026	00285	. 15255		
	600.420	_	₩00.210		.07043	01651	09924	.03388	00383			
	600.530	_	501.130		. 17009	09667	0523¢	. 02547	.00334	. 18265		
	600.510	_	800.380		.03877	02680	01110	.00700	\$1100·	.16714		
	600.580	-	999.830	04658	97.0	95450 ·	10400.	00230	//000.	00/01.		
	Œ	₹ 8	310/ 0		RN/L -	£.						
	×		2	ટ		E TO	S	Š	දු	5		
	900.610	170	226	14581		08410	09467	.04763	96920	. 16422		
	900.560	9	50.781		15439	07470	15734	.08386	02696	. 16939		
	000.630	30	98.708		.09922	-,06925	16882	. 09226	02664	. 16270		
	900.6+0		149.000		.08758	05228	24032	.13661	02002	.17113		
	900.800	_	200.200		96680	-,05285	23535	. 13458	01657	. 16676		
	900.640		300.170		. 12047	06702	-,16917	.10025	01510	.17182		
	900.650	-	400.819		. 14333	08001	11220	.08748	01003	. 17575		
	900.570	_	600.230		221	13338	04610	.03282	00204	. 17292		
	900.580	•	798.8;0		196	06010.	64100.	00052	.0007	. 15839		
	800.810		939.950	05793	193	.03230	.00478	00267	.000 ·	. 17240		

POR MINITA

# . IAI3, SABISBINITH PLUNES SEPARATING FROM OPTIO

	29.000 .000 .000 .750.000																																				
DATA	PTOTAL - BETA - DBETA - PCH-BR -																																				
PARAMETRIC DATA	4.510 .000 .000 .000		ర	.17786	.17358	9,991.	.16277	66091	C8691.	.17476	. 17842	. 17906	. 17173		5	. 15926	. 16344	. 16579	. 16213	.16384	.1700⁴	.17184	. 17529	. 17235	. 16893		ర	. 16235	. 16327	.16706	. 15835	17121	.17587	. 18050	.17389	. 16690	. 17118
	HACH ALPHA - DALPHA -		평	00631	01113	01283	01370	01320	00907	00988	00604	00937	. 00055		CBL	01791	01717	02069	02528	02387	01813	01309	01017	06737	.00130		룡	02699	02689	02180	02338	01780	02465	02111	-,01944	. 00127	. <b>0</b> 007B
			C.	01136	00765	00274	.00325	.00708	.00098	.01160	.02752	.03046	.01635		CYN	95810	.03065	681%0	.04037	6523 5	.0480B	.05163	9+6+0	.03378	61010.		¥.	.06827	.07358	.07558	.07639	£690.	. 08335	18880.	.08195	. 02 <b>286</b>	00281
			5	10000	12734	64441	15742	-, 16123	16877	17018	16411	07185	02917		Շ	12723	13897	15398	18116	19343	20467	17559	11462	05912	01380		5	07071·-	15466	14948	14391	14092	19406	18648	)9965	03215	.00493
		£ ::	5	.03830	.03256	.03208	.03197	. 02963	. 02607	. 02261	02697	07350	+0610∵-	£ :	r d	03929	67750	03234	.0279¥	.01767	00551	02469	08046	06393	00126	£ :	ğ	. 02246	97710.	87600.	00965	-, 02523	04722	10138	11315	01933	.03128
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L -	8	1066¥	08426	05709	05269	-,03255	03300	06600.	. 10612	.13915	.03305	PA/L	8	- 09557	1.0744	031 w3	01007	.00788	.02290	.07236	. 15069	. 09822	00739	HBN/L -	3	05219	03906	01619	.02708	.06348	.09713	.17157	. 16302	£610.	05051
	1026 14	314/ 0	Z	572	50.468	100.520	150.350	200.400	299.830	400.970	599.890	799.020	999.110	313/ 0	2	715	48.772	9	149.800	200.580	299.730	399.890	600.790	800.890	999.930	. 312/ 0	7	\$10.	50.539	100.430	150.540	200.370	300.360	399.830	598.570	799.760	999.610
CE DATA	LFT. XMMP CHES YMMP CHES ZHRP	RUN NO.	×	505.	<u>.</u>	<u>*</u> II.	545.	.236	959	.267	<u>₹</u>	<b>3</b> 7.	.227	PG 16.	×	200	967.092	04t 00t	300.280	300.300	300.380	300.260	300.340	300.410	300.3.3	REN NO.	×	600.530	600.440	600.550	600.540	600.560	600.460	600.530	600.560	800.840	600.570
REFERENCE	2690.0000 60.FT 1290.3000 INCHE 1290.3000 INCHE																																				
	SPEFF - B																																				

0ATE 02 AUG 75	1413	IAI3 SOURCE DATA	17.4							Ā	PAGE 183
		2	113,588(5	8) HI T	A PLUMES SK	IAI3,SPBISBIHITH PLUMES SEPARATING FROM 09710	OH 09110		(RTJ10	(RTJ103) ( 31 JUL 75	UL 75 1
REFERENCE DATA	Ā								PARAMETRIC DATA	DATA	
SAEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100		) (3)	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	¥				MACH ALPHA DALPHA T	000. 000. 000.	PTOTAL BETA BETA BOBETA PCHEBR	. 000 . 000 . 000 750 . 000
	PUN NO.	311/ 0	) RN.'L	•	¥.:						
<b>&gt;</b>			3		3	5	C S	<b>8</b>	ర		
019:006	919	. 320	02605	S.	02687	13933	<b>20660</b> .	02742	.17592		
055.006	250	49.583	.081	90	06145	12901	.08786	02685	.17760		
.006	200	99.759	. 136	ž	-,09715	12690	. 08688	02787	.17812		
065.006	290	150.220	.17787	61	12707	13526	. 09357	03306	.17812		
.006	550	200. 50	. 20 <del>4</del>	ß	15131	14799	11960.	03640	. 172255		
900,650	650	239.950	. 209	63	-,15263	-,15280	98660'	03159	. 16643		
000.006	630	400.420	.21062	29	15163	16805	. 11249	01842	13464		
900.620	620	600.340	.05509	60	04865	05047	.03720	00281	. 15689		
019.006	610	799.890	-, 05464	ž	.02930	.00532	00319	¥8000°	. 16738		
900.720	720	999.910	0576	19	.03195	.00486	00277	.00073	. 17267		

	29.000	.000	000	750 . 000													
DATA	PTOTAL .	BETA .	DBE 1A .	PCH-188													
PARAMETRIC DATA	4.510	000	000	₩00.000		90	9000	08581.	. 18342	. 18263	. 18086	¥7671.	. 17982	. 18143	. 18227	17987	.17104
	MACH	ALPHA .	DALPHA -	• >		ĕ	,	** 	01273	01465	01692	01785	0177B	01673	01235	01725	.00160
						3		06/50	¥11E0.	.03658	.04287	.04762	.05733	.06480	. 06253	¥47740.	. 02070
						?		11917	13290	14648	15786	18134	16370	17119	14241	38598	03082
					1.75	<b>1</b>	ינים	.04397	82440.	B1840.	.03857	.03303	. 02259	.00715	04141	07956	00233
	1052.0060 IN. XT	1000 IN. YT	.0000 IN. 27		RN/L .	3	5	0.00 0.00	09377	08902	08053	06963	03973	00190	10+80	16611.	16200
	1052.0	•	0.447.0		315/ 0	,	7	069	49.905	99.825	149.860	199.520	299.450	399.490	600.480	800.280	999.680
REFERENCE DATA	So.FT. XHRP		CHES 7189	_	REN NO.	,	<b>≠</b>	% %	*55.	.215	.197	. 203	691	.237	.208	. 293	370
REFEREN	2890.0000 SO	N1 0001 0621	1290 TOO INCHES	0010													

(RTJ104) ( 31 JUL 75 )

IA13, SRB (SB) WITH PLUMES SEPARATING FROM 09710

SREF . LREF . BREF . SCALE .

ORIGINAL PAGE IS

(RTJ104) ( 31 JAL 75 )

IAI3, SRB (58) HITH PLUMES SEPARATING FROM 09110

	29.000 .000 .000 750.000																																			
: DATA	PTOTAL - BETA - DBETA - PCHYBR -																							•												
PARAMETRIC DATA	4.510 .000 .000 .000		ა ქ	. 18427	18530	06281	18682	. 18626	. 18712	. 18113	. 16857	.17000		ర	. 18865	. 18793	91681.	. 18956	.16938	. 18348	11911.	. 16562	, 16514	.17316		ర	.17504	1727.	.17735	. 17482	57071.	.16599	115717	16474	.17189	. 17379
	MACH ALPHA DALPHA Y		<b>18</b>	. 02190	- 00493	02580	97.50	02171	01825	01936	00241	.00075		785 CB	03516	03025	02898	+6920∵-	02507	02101	02485	01426	<b>10000.</b>	.00070		85	02858	02704	02922	-,03206	03327	03805	02412	.00069	.00068	.00067
			CAN	.08835	80960.	6 i	10721	18660	99460.	. 06629	.03569	. 00025		CXX	14148	.13126	12797	. 12107	. I. 32	.09175	.07852	.04973	.00322	00272		C.	. 08527	.08118	.07591	.06429	.05207	.04851	.04125	00200	00269	00266
			Շ	15203	- 15429	- 17409	18496	17543	-, 16655	-,11285	05381	64000.		Ç	18153	17573	17407	16798	15918	-,13360	11569	07080	00341	.00478		ξ	4-769	09545	09183	07993	06705	06346	05528	.00357	.00483	.00467
		£	C	. 05099	. 03929	.02966	0001:000	- 01668	03870	-, 09085	02648	.02613	<u></u>	H);	.04657	.03213	.01563	00364	-,02868	07292	-, 09969	05989	. 02206	.03250	27.1	CL	.02734	00085	04243	08281	-,:0323	11534	07036	11620.	.03248	.03230
	052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L •	S	-, 09000	07350	05779	04639	02250	.05812	.12052	.02803	04891	FW/L	ક	07524	05652	03306	003+1	.03278	. 09132	. 12643	.06433	04374	05832	FN/L	ક	05014	01148	84940	16.60	.12374	.13241	.06809	05438	05833	05820
	- 1052	316/ 0	2	.334	50.075	100.010	150.110	300.1.0	400.200	600,180	799.550	999.790	. 317/ 0	7	120	49.794	99.834	149.910	200.000	<b>5</b> 89 . <b>990</b>	399.A20	599.820	800.120	999.930	. 318/ 0	2	<u> </u>	50.187	100.320	150.300	199.870	299.560	399.610	600.160	799.960	939.860
REFERENCE DATA	2830,0000 50,FT. XHRP 1290,3000 INCHES YHRP 1290,3000 INCHES ZHRP .0100	RUN NO.	×	300.300	300.320	320.330	300.330	055:005 005	300.310	300.340	300.340	300.410	RUN NO.	×	600.470	600.420	054.009	600.400	800.430	600.540	600.480	600.590	600.520	600.490	RUN ND.	×	900.500	049 . 006	900.660	900.590	900.560	900.500	900.620	009.006	900.670	900.700
	SCALE -																																			

IA13 SOURCE DATA DATE 02 AUG 75

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1A13, SRB(58) HITH PLUNES SEPARATING FROM 09710

PAGE 185

(RTJ105) (31 JUL 75 )

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29.000 .000 .000 750.000 PTOTAL •
BETA •
DBETA •
PCHMBR • PARAMETRIC DATA 4.510 .000. .000 800.000 MACH ALPHA BALPHA F SREF = 2690.0000 50,FT XYRP = 1052.0000 IN, XT LREF = 1290.3000 INCHES YHRP = .0000 IN. YT BREF = 1290.3000 INCHES ZHRP = 447.0000 IN. ZT SCALE = .0100 REFERENCE DATA

RN/L RUN NO. 319/ 0

CA . 17122 CA . 17258 CBL -.00042 . 000**66** CBL .000**66** CYN -. 00069 CYN -.00264 CYN -. 00267 CY . C0160 CY .00469 . 00468 CLM .03198 CLM .03280 1.75 27.1 C.4 -.05423 CN -.05768 CN -. 05941 RN/L *ž* 799.820 RUN NO. 320/ 0 RUN NO. 321/ 0 z 799.970 x Z 300.020 × 600.500 -.016

**CBL** .00067 2 799.340

1.75

RN/L .

RUN NO. 322/ 0

CA . 17514

CYN -.00268 CY .00467 CLM .03*27£* CN -. 05820 900.580

CA . 17533

n est

# 1A13, SRB (SB) HITH PLUMES SEPARATING FROM 09110

PT07AL • 29.000 9ETA • .000 09ETA • .000 PC1419R • 1500.000 (RT,106) (31 JUL 75 ) PARAMETRIC DATA 0000 MACH ALPHA DALPHA T . 1052.0000 IN. XT . 0000 IN. XT XHXP XHXP XHXP REFERENCE DATA SAEF = 2690.0000 50.FT. X LREF = 1290.3000 INCHES Y BREF = 1290.3000 INCHES 2 SCALE = .0100

	3	F)	Շ	N C	CBL	<b>ડ</b>
0	1599	10014	12112	00257	30587	.08813
0	2547	09792	21513	-,03356	.00736	<b>ትት</b> ᢄ60 ·
0	5728	08160	30238	05365	£1+10.	. 11597
-	3989	06901	36818	07173	.01685	. i 3422
ū	524	04922	33127	07746	51610.	.13391
S S	178	.00036	22429	06203	.01345	.13479
2	462	¥19×0°	13278	1.04971	.00735	.:5077
<u> </u>	3	.02571	06710	01622	54000.	.14430
178	33	63509	03636	00235	.00028	. 15681
234	9	19873	01473	0001≥	<b>8</b> 6000.	.17955
RN/L	•	1.75				
z		r L	Շ	CAN	CBL	5
075	53	01121	21021	.01346	01528	13004
04986	98	.02098	30694	.02148	00943	. 15458
680	<u>.</u>	.03050	39471	. 02862	00260	. 16302
90	61	.02705	42113	.02875	.00477	.15390
087	ಕ	.01465	-, 38109	-01482	16600.	. 14725
164	8	64200.	22324	. 00213	.00988	14025
158	Š	6+600.	14485	00123	00329	. 14157
2	818	01428	08443	.01542	00701	. 14467
Š	373	09338	04226	.01170	00323	. 16685
Š	980	16399	A1660 -	19010	.00101	17708

ჯ	. 15646	.15546	.15000	.14367	.14002	14239	. 14237	.15639	57571.	.15736
<b>ඩ</b>	03201	02729	01102	00528	00200	.00518	00140	01190	00443	00195
Z C	. 05649	.10120	.12016	. 13340	. 12603	.07433	84940	.04310	.02577	21210.
Շ	20162	33787	4067B	43598	39788	23928	15391	10935	04726	01830
Ę.	06274	03363	-,00258	01587	-,03515	-,05282	04758	07326	16402	07595
š	13459	16001.	. 02226	.05434	81401.	.17658	. 16685	. 19917	. 25943	, 10293
2	548	51.615	716.66	149.260	199.690	299.230	399.120	600.150	800.740	939.090
×	600.640	600.510	600.460	600.410	600.550	800.540	609.450	600.380	600.570	600.530

RN/L - 1.75

RUN NO. 325/ 0

in is

IAI3 SOURCE DATA DATE 02 AUG 75

### PT07AL • £9.000 BE7A • .000 C9E7A • .000 PCH#BR • 1500.000 (RTJ106) (31 JUL 75 PTOTAL . BETA . PARAMETRIC DATA 000. CA .16789 MACH ... ALPHA ... DALPHA ... Y CBL -.05682 -.05568 MACH CYN .10524 .17436 .21602 .25598 IAI3, SRB (58) WITH PLUNES SEPARATING FROM 09110 XHRP = 1052.0000 IN. XT YHRP = .0000 IN. YT ZHRP = 447.0000 IN. ZT 328/ 0 PCN NO. REFERENCE DATA SREF = 2690.0000 50.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100

.16721 .16947 .16039 .16316 .15808 .17062 14970 -.04735 -.03314 -.02320 -.01264 -.01841 -.00694 .00085 .09920 .06537 02469 -.11512 -.03365 -.00010 -.27568 -.17785 -.12444 -.16795 -.15410 -, 14456 . 35738 . 32698 . 26339 . 24099 . 24109 . 21857 . 26830 . 2006 ,007 49,910 100.300 149.550 199.620 300.340 602.500 799.940 999.640 900.580 900.530 900.590 900.810 900.600 900.730

.16333

-.32019 -.40128 -.44430 -.42481

10541 -

-.20417

-, 22526 -, 20722 -, 16691

900.700 900.670

## (RTJ107) ( 31 JUL 75 IA13.SRBISBINITH PLUMES SEPARATING FROM 09710

.000 23.000 .000 PCHMBR . ► ¥1380 PTOTAL . BETA = PARAMETRIC DATA 4.510 .000 HACH -ALPHA -DALPHA -Y XHAP = 1052.0000 IN. XT YHRP = .0000 IN. YT ZHRP = 447.0000 IN. ZT REFERENCE DATA SREF = 2690.0000 50.FT. LREF = 1290.3000 INCHES BREF = 1293.3000 INCHES SCALE = .0100

EN'L.

330/0

PEN NO.

. 15919 . 14629 . 13359 . 13044 .14712 .17519 44600 C 1000 C 1 CYN . 00069 - 00132 - 01058 - 01059 - 01497 . 03045 -.15746 -.18746 -.21623 -.25885 -.2611**6** -.24301 -.18977 -.12377 -.08203 -.26257 ..05810 C.M .C2918 .02722 .103722 .10312 .00514 .01796 - 10443 - 09056 - 04595 - 00568 - 07005 - 07005 - 11874 - 19564 - 26768 2 -1.155 50.344 101.010 150.780 200.810 301.570 400.940 599.900 799.920 .301 .301 .211 .079 .173 .178 .188 .336 .336 .262 Ł

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<u>.</u>

(RTJ107)

IAI3, SRB (SB) WITH PLUMES SEPARATING FROM 09710

In i E

n, f

PA3E 189	(RTJ108) (31 JUL 75 )	PARAMETRIC DATA	4.510 PTOTAL • 29.000 .000 RETA • .000 .000 CBETA • .000	•	CA	17881.	\$1.061.	£2801.	17871.	.16903	1521	**************************************		-		₹5	.1702 <b>8</b>	\$60.1.	0/171.	. 17255	93671.	27	1660	1.7946	0,16840		₹ 0	. ⊨96+3	. 18593	. 18655	51881.	19307	. 18572	18658	1621	(638)	
			MACH ALPHA -	• -	<b>18</b> 5	01171	01507	02063	02240	05201	02166	01926		9		<b>6</b> 5	02337	02722	03004	03050	03240	1.0550. I	60000	02037	01590		ත්	11540	04315	04223	04086	+1.03874	+.03≥9¥	72715	18150.	0.750.1 0.16	-
	0H 09110				CYN	.00317	51600.	47710.	.02300	.03447	C2250.	.07050	19170.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		C,	0.05140	<b>646</b> 90°	. 08166	16160	10135	0/6/11.	50.6	#968J	.05261		<b>X</b>	14857	.15436	.15566	. 16215	<b>.</b> 1671 <b>45</b>	17:64	. 16028	1214	1000.	
	IAI3,SRB(SB)H!TH PLUMES SEPARATING FROM 09TIO				Շ	14420	69421.	22769	24579	27005	27960	- 25210	85181	66611		ζ	18851	21425	-, 23850	25253	6+192	-,28058	*3000	65510	66:80		۲	23806	25254	-, 26199	26935	27933	-, 28492	27890	19577	10287	
	H PLUMES SE			1.77	ž	.05378	59840	0 m	7+8£0.	.03101	.02103	01731	10108	11351	1.77	מרא	.04666	61940.	.04122	.03221	82020.	-,00334	#8990. •	0985¢-	10732	77.1	F)	57540.	.02499	.00932	01111	03318	-,070 <b>85</b>	11430	17148	61991	,
	., SR8(S8) H! I		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L •	2	15965	14825	- 13059	08511	03141	18710.	16801.	2001V	. 22089	RN/L	Š	11041	16601	09941	07511	04529	.0:897	01180	19270	14450	PN/L .	8	08288	05566	32923	01600	.04766	.11177	166/17	25345	108.94 1	
IAI3 SOURCE DATA	[13]		• • •	. 331/ 0	^	[6]	49.624	99.508	199,640	298.950	399.930	599.920	801.190	ന്	). 332/ 0	2	1.258	49.952	100.080	150.220	200.350	300.910	400.550	693.690 769.460	999.030	3337 0	7	601	49.718	99 823	149.850	199,900	3+8.652	399,850	600.690	199.9	Ĭ
DATE 02 AUG 75		REFERENCE DATA	SREF - 2650.0000 SQ.FT. XMRP LREF - 1293.3000 INCHES YMRP BREF - 1290.3000 INCHES ZMRP	۱ س	>	781	₹	2010.	100	1.0	0₹2	. 208	# #	916.	RUN NO.	×	300.400	300.390	300.200	300.400	300.410	300.330	300.470	300.380	300.550	RUN NO.	<b>&gt;</b>	000:200	960 . 390	024.00	6.10.310	014.009	0+H*0:9	084.009	019:009	600 500	0/ 3 000

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In it

(RTJ108) (31 JUL 75

### IA13, SRB (58) HITH PLUMES SEPARATING FROM 09710

### PTOTAL = 29.000 9ETA - 000 09ETA - 000 PCH#18R - 1500.000 PARAMETRIC DATA 4.510 000. 000. 000. MACH - ALPHA - DALPHA - Y . 1052.0000 IN. XT .0000 IN. YT .447.0000 IN. ZT district X REFURENCE DATA SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100

### .18503 .18335 .18053 .17047 .16226 2A .18096 .15280 -.05139 -.04708 -.04501 -.04389 -.04012 -.02200 .00103 CBL -.05215 . 16896 . 18596 . 17515 . 16003 . 16270 . 15301 . 13461 . 00788 CY -. 22279 2.24395 2.22931 2.21939 2.21562 2.21562 2.18880 2.09306 3.04790 .01004 .01004 .010073 .05813 .14441 .18592 .20321 .14028 .00668 CN ... 03237 ... 01334 ... 07208 ... 19354 ... 24935 ... 26492 ... 17160 ... 02340 ... 05809 RUN NO. 334/ 0 50.213 100.270 150.200 200.150 299.810 399.610 800.060 999.760 900 .490 900 .720 900 .610 900 .720 900 .720 900 .760 900 .760 900 .760

# 1A13,SRB(SB)HITH PLUMES SEPARATING FROM 09710

(31 JUL 75

(RTJ) 09)

.000 .000 .000 .000								
PTOTAL BETA BOBETA BOBETA BOBETA BOCHEBR BOLETA								
4.510 .000 .000 .000		CA . 18140		CA . 16593		CA . 16719		CA . 16753
MACH ALPHA DALPHA Y		CBL 02032		CBL 01514		CBL .000+9		CBL .00058
		CYN . 08372		CYN . 03803		CYN 00247		CYN 00258
		CY 12769		CY 05024		CY .00398		CY .00403
	1.76	CLM 09208	1.76	CLM 03923	1.76	CLM .03148	1.76	CLM .03136
000 IN. XT 000 IN. YT 000 IN. ZT	FBN/L	CN . 12143	FBN/L .	CN .03304	PR/L	CN 05811	- 1/AB	CN 05835
	335/ 0	<b>2</b> 799.770	336/ 0	z 799.700	337/ 0	2 800.110	338/ 0	2 199.870
	PEN NO.	X 1.67.	RUN NO.	X 300.490	PCN NO.	800 . 550	<b>3</b>	X 900.530
SREF - 2690,0006 LPEF - 1290,3001 SCALE - 0101								
	- 1052.0000 IN. XT	2690.0000 SQ.FT. XMPP = 1052.0000 IN. XT 1290.3000 INCHES YMPP = .0000 IN. YT 1290.3000 INCHES ZMPP = .4v7.0000 IN. ZT .0100  RAN NO. 335/ 0 RW/L = 1.76	2690.0000 SQ.FT. XYRPP = 1052.0000 IN. XT 1290.3000 INCHES YHRPP =0000 IN. YT 1290.3000 INCHES ZYRPP =0000 IN. ZT 250.3000 INCHES ZYRPP =000 BETA =000 250.300 INCHES ZYRPP =000 BETA =000 250.300 INCHES ZYRPP =000 BETA =000 250.300 INCHES ZYRPP =000 BETA =000 250.300 INCHES ZYRPP =000 BETA =000 250.300 INCHES ZYRPP =000 BETA =000 250.300 INCHES ZYRPP =000 BETA =000 250.300 INCHES ZYRPP =000 BETA =000 250.3000 INCHES ZYRPP =000 BETA =000 250.3000 INCHES ZYRPP =000 BETA =000 250.3000 INCHES ZYRPP =000 BETA =000 250.3000 INCHES ZYRPP =000 BETA =000 250.3000 INCHES ZYRPP =000 BETA =000 250.3000 INCHES ZYRPP =000 BETA =000 250.3000 INCHES ZYRPP =000 BETA =000 250.3000 INCHES ZYRPP =000 BETA =000 250.3000 INCHES ZYRPP =000 BETA =000 250.3000 INCHES ZYRPP =000 250.3000 INCHES ZY	2690.0000 SQ.FT. XYRPP = 1052.0000 IN. XT 1290.3000 INCHES YYRPP = 0.0000 IN. YT 1290.3000 INCHES YYRPP = 447.0000 IN. ZT 290.3000 INCHES YYRPP = 447.0000 IN. ZT 290.3000 INCHES YYRPP = 447.0000 IN. ZT 290.3000 INCHES YYRPP = 0.0000 IN. ZT 290.3000 INCHES YYRPP = 0.000 IN. ZT 290.3000 INCHES YYRPP = 0.000 INCHES Y 290.000 INCHES YYRPP = 0.000 INCHES Y 2900.000 PCH4BR = 1500 2900.000 PCH4BR = 1500 2900.000 INCHES YYRPP = 0.000 INCHES Y 2900.000 690.0000 5Q.FT. XYRP = 1052.0000 IN. XT	2690.0000 50.FT. XMPP = 1052.0000 IN. XT	2690.0000 50.FT.	2690.0000 50.FT. XHPP = 1052.0000 IN. XT	

IAI3 SOURCE DATA DATE 02 AUG 75

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PAGE

			[V]	1,98(58)	1413,598(88)HITH PLUMES SEPARATING FROM OBTIG	SEPARATING FI	ROM 08110		(817)110)	10) (31 JAL 75	JA 78 )
	REFERENCE DATA	¥							PARAMETRIC DATA	C DATA	
SAEF LPEF BREF SCALE	2090.0000 SQ.77. 1290.3000 INCHES 1290.3000 INCHES	XHBP YHRP ZHRP	1052	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	X			MACH ALPHA DALPHA Y	000 000 000	PTOTAL BETA BETA BETA BCHHIBR	38.000 .000 .000 .1500.000
	-	75 75 76	. 339/ 0	RN/L .	3.49						
	×		7	Ş	r S	Ç	C	CBE	5		
		<u>\$</u>	- <del>6</del> 8	00293	04682	07530	96000	00469	. 10060		
		.263	50.012	01258	04877	0882 <b>6</b>	02483	00400.	.10540		
	•	.372	100.070	01904	02605	13742	04350	.00887	.13567		
	٠.	.403	150.240	.01394	00527	17343	04911	98600.	14007		
	•	.355	201.220	.05634	00480	18017	04598	.00731	. 13848		
		. 173	300.120	.08589	.03487	14310	03770	.00370	14701		
		138	400.670	.10573	.03891	11086	02543	.00139	. 15629		
	٠.	. 093	599.810	.08406	.00528	04445	00052	00105	.15274		
		.209	802.500	. 14287	06012	01369	0012	.00319	.17565		
	Ţ	594	019.666	.04676	02326	00270	00018	91000.	.17007		
	u.	PUN NO.	340/0	RN/L	3.49						
	×		7	ટ	£	ដ	Š	된	క		
	300.340	9	.173	96000	.00550	10178	.00169	00834	. 13186		
	300.300	100	49.854	07543	.02405	19691	10400.	00757	. 15766		
	300.330	130	504.68	09721	.03495	20937	.00806	00521	. 15837		
	300.00E	90	152.170	04605		2:728	C+600.	04100.	. 15158		
	300.870	0 <i>L</i> i	201.940	.01354		-, 18828	00147	* I * CO .	02/1:		
	400.850	50	298.640	.05120	487 10°	90+D-'-	4+200·	-2000·	. 14203		
	300.830	30	399.800	<b>93</b> 020.	.01385	08710	8×200·	£1000'-	. 14733		
	300.630	130	599.970	.11677	03631	04803	.01268	00128	. 16305		
	300.580	380	800.000	14983	•	01790	.00705	00139	. 17259		
	300.550	550	998.150	.01503	01312	00383	.00169	66000.	. 16919		

book

. 02688 . 03354 . 05310 . 07212 . 07019 . 04306 . 02731 . 00892

. 16684 . 14767 . 14767 . 16767 . 16767 . 16984 . 16984 . 16996

. 01743 . 00131 . 02101 . 01620 . 01620 . 01620 . 01649 . 010467 . 010467 . 010467

CA . 05269 . 02152 - 04170 - 02199 . 05199 . 05703 . 05729 . 18324 . 04367

72.503 100.200 149.150 199.350 300.080 399.810 602.330 800.880

x 660.310 600.580 600.580 600.560 600.550 600.820 600.820 600.820

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<u>}</u>

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10.1

### PTOTAL = 58.000 BETA - 000 DBETA - 000 PCHF9R - 1500.000 (RTJ110) (31 JA. 75 ) .000 1500.000 **58.000** (RTJ111) ( 31 JUL 75 PARAMETRIC DATA PARAMETRIC DATA 4.520 .000 .000 .15823 .16873 .16144 .16694 .16587 .15351 .17187 .16781 CBX - 02870 - 02847 - 02743 - 02016 - 01690 - 01658 - 01658 - 00083 MACH ALPHA DALPHA CYN . 05199 . 08952 . 10041 . 14190 . 10133 . 07358 . 03310 IAI3, SRB (58) HITH PLUMES SEPARATING FROM 09710 CY -.10907 -.17211 -.24482 -.17052 -.17052 -.17052 -.00130 ..0907\* ..0907\* ..06998 ..05746 ..05988 ..05880 ..15093 - 1052.0000 IN. XT - .0000 IN. YT - 447.0000 IN. ZT .15048 .2054 -.02212 -.05893 .15331 .15096 .09537 .09900 .09900 . 7.₹ RUN NO. 342/ 0 2 - 104 51.358 97.861 149.680 200.260 300.260 401.840 600.220 797.720 4 148 P 900.550 900.590 900.500 900.50 900.50 900.50 900.50 REFERENCE DATA REFERENCE DATA SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES .0100 SCALE . SPEF LREF BREF SCALE

 2690.0000 1290.3000 1290.3000	SO.FT.	XXMMP YMRRP ZMRRP	• • •	1052.0000 IN. .0000 IN. 447.0000 IN.	X × N				MACH ALPHA DALPHA Y	. 520 . 000 . 000	PTOTAL BETA BETA BOBETA BETA BETA BETA BETA BETA BETA BETA	
		RUN NO.		346/ 0 6	RN/L	3.47						
	×		7		3	r.	Շ	N.	8	<b>5</b>		
		<u>.</u>		•	F011.	18650.	10457	01103	00639	. 17270		
		34	50.6	•	.09245	.03457	13'67	00623	01092	69071.		
		.117	100.5	,	.07364	.03186	15616	00306	01355	16417		
		981	150.5	•	44450	.03136	164B4	44600.	01452	15938		
		.239	201.6	•	.03237	. 02739	17029	.00728	01336	55551.		
		<u>رج</u> .	300.	•	.02337	.02273	17947	.00288	01003	. 16185		
		Ž,	401.890		.01229	. 02233	18287	.01242	01049	.16934		
		348	599.5		.10673	02624	12705	.03063	00700	.17310		

95171. 01071.

-.00703 -.00024

.03112 .01742

-.07840

-.08109

.15073

799.850 998.050

±. 6. €. 6.

.

SREF = LREF = BREF = SCALE =

(RTJ111) ( 31 JUL 75 )

### 1A13, SAB (58) HITH PLUMES SEPARATING FROM 09110

: <b>:</b>	77.0000 1N. ZT	345/ 0 2 2 -1.417 47.925 98.430
		• • •
3.47		CN 09348 07648 03705
CLM		-,09348 -,07648 -,03705
.03567		07648
.03615		03705
.03683		£ 11.00
0.477		01548
00407		01958
02717		57770.
08845		.15917
07410		.11186
00395		00436
3.47	,	RN/L -
F-7		Š
.01934		05109
.01351		03378
S1500.		01295
00890		
0244B	•	
03674	•	
10513	'	
13032	'	,
. 02655 . 03165	•	05/50
<i>c</i>	3.47	RN/L - 3.4
נרא	Ŭ	8
. 02952	'n	
07379	·	09560.
. 10122	ľ	75921.
9.521.	,	.17528
14633	i	95-26
15302	'	- 68015.
15889	٠	
0521005646		.05856
17650.		-, 05576
.03229		90550'-
	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	. ,

# (RTJ112) (31 JUL 75 ) 1A13, SRB (SB) WITH PLUNES SEPARATING FROM DOTIO

	58.003 .000 .000 .000																																				
DATA	PTOTAL BETA BETA PCHMBR B																																				
PARAMETRIC DATA	4.520 .000 .000		ర	. 18185	+6671.	.17876	1.17641	.17379	.17300	.17520	19771.	.17758	. 16835		3	. 17843	.17585	.17538	.17767	.17970	. 18062	.18224	.:7934	. 16608	. 16560		ర	. 18351	. 18296	. 18321	₹ <b>3</b> 81.	. 18442	. 18053	. 17669	. 16432	. 16110	. 16928
	MACH ALPHA CALPHA Y		<b>ਛ</b>	01259	01407	01590	01778	01866	01846	01742	01187	01777	.00156		CBL	02160	-,02505	02661	02754	02769	02421	01834	01971	90500.	.00103		සි	03672	03285	02941	02564	02386	02053	02374	01769	.00123	8/000·
			C.	.02763	.03175	.03551	.04155	.04693	.05762	.06601	.06408	.04837	.02317		CYN	.08815	.09583	.10035	.10474	.10538	.10450	.09635	.07159	.03814	.00256		C	.14937	. 14113	. 13223	. 12438	.11426	. 09599	.09613	.05413	.00598	1.005.
			5	12832	14323	15524	-, 16498	16924	17299	18230	15311	- 08068	03625		Ç	15774	17111	18074	18870	19120	18907	17853	12463	05969	00365		Շ	19094	18700	18224	17504	16332	14301	13058	07882	- 00815	01200.
		3.47	F.	.04289	.04488	.04359	.03782	.03230	.02064	.00580	04215	08304	00659	74.8	CLM	.04816	.03689	. 02718	.01903	.00784	01289	03400	16060	04020	. 02297	3.47	כרא	##6#C.	.03108	.01537	0075	03313	07255	09838	07567	19610	.03306
	.0000 IN. XT .0000 IN. YT .0000 IN. ZT	RN/L -	3	09877	09999	09640	-,08562	07209	03932	00228	.08562	.12703	.00319	FN/L	Š	09001	07416	05838	04222	02050	.01642	.05219	. 13097	. 04566	04539	RN/L =	ક	08039	05598	03462	01000.	.03808	64160.	. 12529	. 08451	* O+1 I*	05941
	- 1052	0 /548 .	2	133	49.754	99.852	149.590	199.930	299.000	398.860	600.980	800.760	999.230	. 348/ 0	2	710.	50.075	100.180	150.470	200.280	300.520	400.430	600.220	799.170	01 h . 666	0 /6¥E .	7	039	49.914	99.871	149.800	200.120	300.040	399.940	600.000	800.430	888.900
REFERENCE DATA	2690.0000 SQ.FT. XHRP 1290.3000 INCHES YHRP 1290.3000 INCHES ZHRP .0100	RUN NO.	×	161.	. 133	. 26.	. 103	115.	<u>.</u>	160.	592	675.	544.	PUN NO.	×	300.430	300.320	300.280	300.350	300.310	300.340	300.450	300.320	309.450	300.430	PCN NO.	×	500.450	600.410	600.470	06 <sup>↑</sup> . 009	600, 480	600.5±0	600.530	600.620	690.430	800.520
8	SORF = 2690.0000 LREF = 1290.3000 BREF = 1290.3000 SCALE = .0100																																				

h / (4

DATE 02 AUG 75	AU0 75	1413	IAI3 SOURCE DATA	•						PAGE 195
			141	3,588(58)HI	TH PLUMES S	1413, SPB (SB) HITH PLUNES SEPARATING FROM 09110	ROM 09110		(RTJ112)	(31 M 75 )
	REFE	REFERENCE DATA							PARAMETRIC DATA	C DATA
SPEF LREF BREF SCALE	2690.0000 1290.3000 1290.3000	SQ.FT. XMBP INCHES YMBP INCHES ZMBP	- 1052	052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA - DALPHA - Y	4.520 .000 .000 .000	PT07AL - 58.000 BETA000 DBETA000 PCH#BR - 1500.000
		PUN NC.	. 350/ 0	RN/L =	3.47					
		×	7	ટ	C.	Շ	CAN	CBC	5	
		900.620	040	05657	03251	11379	.10059	0 <b>3366</b>	.17267	
		900.640	50.220	01243	7.00047	11253	.09637	03041	17418	
		900.740	150.330	10166	- 08461	08563	.06881	03150	77571.	
		900.660	200.140	. 12419	10462	07472	.05710	03274	6648	
		900.710	299.040	.13312	11757	07531	.05540	03683	6390	
		900.760	399.360	74580.	08388	06780	¥5050.	02586	. 15602	
		900.360	999.870	05914	04630	05100.	00037	05000	16583	
		900.730	999.760	05935	. 03203	.00323	00242	00000	82691.	
			[ <b>A</b> ]	. SRB(SB)W!	TH PLUMES S	IAI3,SPB(SB)HITH PLUMES SEPARATING FROM 09710	ROM 09110		(RTJ113)	131 (31 JUL 75 )
	9	4740 000							0	
	ME! CME	ENCE DATA							PAKATE KI	A NA
SPEF		SQ.FT. XHRP INCHES YHRP INCHES ZHRP	1052	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH	.000	
SCALE .	0010							• -	900.008	PCHR8R = 1500.000
		PUN NO.	. 351/ 0	RN/L -	3.48					
		x 736	799.500	CN 05059	CLM . 02620	CY 00187	CYN . 00136	CBL 00113	CA . 16787	
		RUN NO.	. 352/ 0	RN/L -	3.48					
		300.410	2 799.870	CN 05891	CLM .03258	CY .00308	CYN 00234	CBL . 00076	CA . 16847	
		PC NO.	353/ 0	RN/L -	97.6					
		X 600.520	Z 799.990	CN 05886	CLM .03293	CY .00312	CYN 00237	CBL .00077	CA .17053	
		PCN NO.	354/ 0	RN/L	3.48					
		× 900.620	<b>2</b> 799.900	CN 05868	CLM .03315	CY .00301	CYN 00237	CBL .00077	CA . 17232	

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ORIGINAL PAGE IS OF POOR QUALITY (RTJ114) ( 31 JUL 75 )

# IAIS, SRBISBINITH PLUMES SEPARATING FROM OFFID

3957   6 MYL   6 M99	REFERENCE DATA 2690.0000 SQ.FT. XHRP 1290.3000 INCHES YHRP		1052.0000 IN. XT .0000 IN. YT				MACH - ALPHA - DALPHA -	PARAMETRIC DATA 4.530 PTOT. 000 BETA 000 OBEE	DATA PTOTAL BETA OBETA	110.000 .000.
75. CN CLM CY CYN CBM5  7.056039:000882067270029600529  7.056039:000882067270029600529  7.056039:000882067270029600529  7.056029:30089200739;0029600529  7.057029:30089200739;0029600029  7.0580073900739115920294200039  7.0590073900739115920029700039  7.0590073900739115920029700039  7.0790073900739115920029700039  7.0790079900799007990079900799  7.0790079900799007990079900799  7.0790079900799007990079900799  7.0790079900799007990079900799  7.0790079900799007990079900799  7.0790079900799007990079900799  7.0790079900799007990079900799  7.0790079900799007990079900799  7.0790079900799007990079900799  7.0790079900799007990079900799  7.0790079900799007990079900799  7.0790079900799007990079900799  7.07900799007990079900799  7.0790079900799007990079900799  7.07900799 -		•						000.	PCH#BR •	1500.000
2         CN         CLH         CY         CNN         CBC           1,056        039;0        00882        06727        00568        00525        00525        00525        00525        00525        00525        00525        00525        00526        00525        00525        00526        00525        00526        00525        00526        00526        00526        00526        00526        00526        00526        00526        00526        00526        00526        00526        00527 </th <th>0</th> <th></th> <th>PN/L</th> <th>6.59</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	0		PN/L	6.59						
199.550013910008820672700265000650098300132   .000650038400132   .000650038400132   .00065003840038400384   .00038400384   .00		~	3	CLM	č	CAN	165	۲		
99-95200756008000588801133000650080005888011330006500800008000290600800029060080000			039:0	00882	06727	.00296	00525	. 12220		
- 04716006900739!02015 .00269 - 02033 .027080917502966 .00398 - 02033 .032460963900267 - 02093 .032460963900267 - 02093 .032460963900267 - 02093 .032460963900267 - 020950170402572 .00267 - 020950170402572 .00267 - 020950170402572 .00267 - 020950170402572 .00267 - 020950297800882 .00039 - 020950297812453 .0019600198 - 020950297812453 .0019600199 - 0209502978124530029000199 - 0209502978124530029000199 - 0209502978124530029000199 - 02095029780299900199 - 02096009970339700399 - 02097009970099700397 - 020970099800999 - 020100099700999 - 020100099700999 - 020100099700999 - 020100099900999 - 020100099900999 - 020100099900999 - 020100099900999 - 020100099900999 - 020100099900999 - 020100099900999 - 0201000999 - 020100099900999 - 0201000999 - 0201000		49.854	04243	00600'-	05888	01133	00062	.11932		
- 02033		99.952	04716	00680	0739	02015	. 00269	. 12733		
- 02033	_	50.500	05159	.02093	09175	02986	.00398	. 15277		
. 025083 . 03825 - 10624 - 0.02537 00054 00506	_	63.410	02033	.02708	11692	03043	.00132	15721.		
03506 .03246085390058600052 .00799017090170902572 .00027400016 .00035 .00035 .00036000680006800006 .00035 .00036000680006800006 .00036 .00036 .00036004880003600036 .00037004880003600036 .00037034890034900	M	004.00	.02083	.03825	10624	02537	+5000	. 15882		
- 07099 01704 02572 - 00027 - 00035 - 01708 00165 00082 - 00042 00012 02626 00165 00058 00006 00012 02626 00058 00006 00012 09050 02450 09337 00196 011099 02905 02906 02905 02906 0	3	00.960	.03506	.03246	08639	00586	00162	. 15862		
	Ķ	9.780	. 07099	01704	02572	.00227	.00035	.16781		
CN CLM CY CYN CBL09626 .00845005800006 .00078 CN CLM CY CYN CBL09632 .0373212463 .001960118809632 .0373212463 .001960118809635 .0373212453 .001530019909645 .036171136500599 .0011403485 .0362212343 .001530019909645 .0362212343 .001530019909645 .0362212343 .001530019909645 .0362706317 .0126700237096380493703390 .012670023705218 .0119306319 .001930099805291 .0291905488 .001330099805110 .0244412456 .003780099805021 .0273212568 .003780099805120 .0244412563 .004910057705121 .0119310588001990059705021 .0273212563 .004910057705121 .0178613963 .004910057705121 .0178613963 .00491005770343404:9202785 .00199001330343404:9202785 .00199001330343404:9202785 .0019900133	7.	9.790	.01708	-,00165	00882	S4500.	00012	. 17262		
CN CLH CY CYN CBL04808 .0245009337 .001960118809050 .0297812463002600100909032 .0332812453002590039709045 .0302212453001530019403465 .0302212453001530019403465 .0302212453001530019403465 .0256809431 .0015300287002040943703390 .01356003870520 .0181609431 .001230028705210 .02514 .00123003490089105210 .02444 .00123004980089105210 .0244414300 .041090059105110 .0244414300 .041090059105120 .02938094810059105120 .0294413563 .044910059105121 .0116310768 .015090059105121 .0116310768 .015090013303434 .01143002360013303434 .011430023600031	86	39.240	02626	. 00845	00058	- 00000	. 00078	. 17029		
CN CLM CY CYN CBL04808 .0245009337 .001960118909036 .0297812463 .002600109909465 .037321246300290039709465 .0302212343 .001530019403465 .0302212343 .001530019403465 .0302212343 .001530019403465 .0302212343 .001530019403465 .0302212343 .001530019703465 .0302212343 .0015300197035919 .0291903390 .013560003705290 .0191609317 .012670023705219 .02914 .001230091105210 .02914 .001230091105021 .0273212568 .003780099405021 .0273212568 .003780099405021 .0273212568 .003780057705110 .0273212568 .001990057705120 .0130508144 .029000057703434 .011430023508144 .029000013303434 .011430023600133	ö	356/ 0	RN/L	6.59						
09932 09337 00196 01189 09952 02993			3	S.	č	Ç	<b>a</b>	Š		
09932 .0373212463 .002600039709932 .0373212453000300039709932 .036945 .036945 .036945 .00349	•	¥10.	04808	.02450	09337	.00196	01188	15844		
- 09932	3	192.6	- 09050	97620.	12463	.00260	01009	.16082		
- 03465	· on	96.398	09932	.03732	12453	00030	00397	.15896		
03485 .0302212343 .001530015003485 .00042 .0258809491 .0034900887 .00034 .00232 .02290 .0181608317 .0135600034 .00232 .0228809491 .00135600034 .00232 .02290 .02290 .02291 .0229	-	1.920	05945	.03617	11365	00599	\$1 TOO.	. 15869		
00042 .0255809491 .0034900287 .00287 .02590 .0181608317 .0126700232 .0259308491 .0126700232 .025930849208492 .00352 .00034 .025930849208492084920849208492084920849208492084920849208492084920849208597 .0859708177 .0817818785 .0818908577 .01771 .0060818785 .0449108577 .01771 .0060818785 .0449108577 .01771 .0060818785 .0449108577 .01771 .0060818785 .0449108777 .01771 .0060818785 .0019908987081771 .08177081771 .0060818785 .0019908577 .081771 .006080877808777081771 .006080877808777708777087770877708777087770877708777087	8	2.430	- 03+85	.03022	12343	.00153	00150	. 15536		
. 02290 . 0181608317 . 0126700232 . 092380943703390 . 0135600034 . 0020400204002050020800209700209	ጺ	0.930	00042	.02558	16460	64500.	00287	15547		
. 09238 04937 03390 . 01356 00037 . 00204 00492 00123 00135 . 00087 . 05918 . 02914 00123 00148 00091 . 01748 01305 03406 00376 00811 01748 01305 03406 01759 00811 05241 01163 03406 04109 00894 05110 . 02444 14260 04109 00894 05110 . 02444 14260 04109 00994 05121 02732 14268 04109 00541 05121 01766 13562 00597 . 04104 02900 00157 . 04109 00157 . 04109 00157 . 04109 00157 . 04109 00157 . 04109 00133 05131 00133 06400 00133	6	0/6.8	.02590	.01816	08317	.01267	00232	12844		
CN CLM CY CYN CBL05918 .02914 .0012300148 .0005105918 .02914 .0012300148 .00051  CN CLM CY CYN CBL01748 .0113505488 .005780081405110 .0244414300 .041090098605110 .0273214266 .043810057105121 .0178613963 .044910057701771 .0060810768 .043810057701771 .005090278208144 .0290000157048560955508144 .02900001570533300436 .00109 .00071	8	0.170	. 09238	04937	03390	.01356	+€0003+	. 17836		
CN CLM CY CYN CGL 01748 .0130503406 .0037800811 0274 .0130503406 .0175300811 0261 .0130503406 .0175300811 05021 .0130503406 .0410900984 05021 .0273214266 .0438100571 02121 .0176613963 .0449100577  .01771 .0060810768 .0438100577  .046560955508144 .0290000157 03434 .0114300236 .00109 .00071	7	7.160	¥0200°	00492	-,00792	.00352	. 00067	. 17143		
CN CLM CY CYN CBL01748 .0130505486 .005780081102241 .0119308960 .017580081105110 .0244414260 .041090054105110 .0244414260 .041090054105121 .0178613583 .044910054101771 .0060810768 .0.55200597 .048560095508144 .0290000157 .05154 .0114300236 .00109 .00013	8	7.570	05918	÷1620.	.00123	84100	15000.	. 16975		
CN CLM CY CYN CGL -,01748 .01305 -,05466 .00578 -,00811 -,02241 .01193 -,08690 .01758 -,00864 -,05110 .02742 -,14266 .04381 -,00541 -,05021 .02732 -,14266 .04381 -,00541 -,02121 .01766 -,13963 .04491 -,00571 -,02121 .01766 -,13963 .04491 -,00571 -,04856 -,00955 -,08144 .02900 -,00167 -,03434 .01143 -,00236 .00109 .00071 -,05460 .03313 .00143 -,00169	ġ	357/ 0	RN/L.	6.59						
		7	ટ	ş	Շ	C	195	5		
	ļ	- 480	0174B	S0£10.	05468	. 00578	00011	19191		
	•	0.297	02241	.01193	-, 09690	.01759	00986	. 15382		
	2	0.96.0	05110	11120.	-, 14300	.04109	+€800 -	. 15310		
	=	•9.060	05021	52730	- 14258	.04381	00341	.15374		
	ŕ	00.00	02121	.01786	13963	16440.	00577	. 15629		
	٠,	00.480	17710.	.00608	10768	562	00587	16099		
	m	99.580	0.858	00955	08144	. 02900	00167	. 16697		
0010. 00100. 00530 £4110. 4£450 00100. 00100 £4100. £1£0. 00490	Ø	03.450	.08164	04:92	02785	.01509	00133	.17108		
8+000' 69100'- 8+100' 81880' 09+90'-	_	300.730	- O3434	.01143	00238	60100	1,000.	56991		
	Ξ	000.100	08460	.03313	M+100.	00169	A 7000 .	*== 1.		

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n	[A13 S	IAI3 SOURCE DATA	4						ă.	PAGE 157
		1413	3,588(58)#1	1413, SRB (58) HITH PLUMES SEPARATING FROM 09110	EPARATINO F	ROM 09110		(RTU115)	5) (31 AL	JK 75 1
REFERENCE DATA	DATA						_	PARAMETRIC DATA	: DATA	
.0000 SQ.FT. .3000 INCHES .3000 INCHES	S YHRP S YHRP S ZHRP	1052.0	1052.8888 IN. XT .8888 IN. YT 447.8888 IN. ZT				MACH ALPHA DALPHA Y	4.530 .000 .000 .000	PTOTAL = BETA = DBETA = PC+++BR =	000 000 000 1500 1500 000
	<b>3</b>	358/ 0	RN/L .	6.61						
	×	2	ક	S.L.	Շ	Z.	<b>e</b>	<b>5</b>		
	92	417	- 04478	-,00604	08887	.00325	00556	. 1239∓		
	.167	51.452	04513	00500	-,05853	64110	00061	11911		
	271	100.170	05339	20000	06729	0199 <b>5</b>	. 00215	12750		
	188	150.640	85850	18710.	08399	02819	.00370	# C		
•	<u></u>	300.130	01730	\$6/20.	111444	03543	52000 -	30,01.		
·		400.760	. 03281	14160.	08677	- 00492	-,00206	15969		
		599.760	.07045	01737	02732	.00268	₹2000.	.16766		
		016.662	.01604	00150	01012	.00301	00012	.17238		
٠		999.290	02595	.00859	00118	.00021	7,000.	16999		
	75 15 16	359/ 0	RN/L	19.9						
_	×	7	Š	¥,	Շ	Ç	90	₹		
300	300.320	.029	04642	18450.	09217	74100.	01204	15854		
ğ	300.350	49.743	-, 08890	6+620·	12137	. 00179	01037	. 15076		
ğ	300.500	98.920	10178	.03769	0.0.0.	00133	91100	13847		
30		152.100	-,07119	E1980.	11009	00720	. 001.85	0000 m		
30		202.570	~.03738	07010	12269	11100	00151	.1558		
ŏ,	300.170	299.060	76100	. 02543	-,09575	70500	00289	. 15578		
ָהָלְ קלילים קלילים		398.900	0.000°	. U. / W. U	16480 · ·	03510.	00036	נצטני.		
300		797,190	6+100	-,00+82	00857	£6£00°	2,000.	17143		
300		997.650	05934	.62927	.3011€	00145	15000.	16953		
	9 2 2	360/0	RN/L .	. 65 1						
×	J	2	ટ	בר כר	გ	CYN	SB.	٠ ئ		
900	600.380	. 835	68610 -	.01382	04750	.00238	00733	. 15075		
900	600.320	50.167	02.46	.01265	08665	.01757	01035	. 15352		
909		100.860	05117	.02428	13956	67080.	00899	.15315		
909		148.220	05202	.02785	ナトロナー・-	.04197	00538	. 15373		
109		026.991	52327	76710.	13826	66240.	00571	. 15626		
500		300,410	.01695	.00583	10958	.03555	₩6500	16099		
109		399.640	85650.	00993	08369	03010	60200 -	. 16631		
200	000.440	603.470	67470	03997	.03011	16910.	35100	10171.		
100	-	0.00 acu	90,400 -	09110	CC200	, 001 ce	1,000.	.15689		
;			10000	- 1 1 2	0100	5 5 5 7 1	R + 2000 ·	<b>*</b> 52. – .		

SPEF LIREF BREF SCALE

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(RTJ116) (31 JUL 75 )

# TALE, SRB (58) WITH PLUMES SEPARATING FROM 09110

	.000 .000 .000 .000																			,																
DATA	PTOTAL BETA DOBETA PCHMBR =																																			
PARAMETRIC DATA	4.530 .000 .000 10.000		₹	. 12815	.11764	. 12728	.14383	.15853	.16113	18601.	50651	31071.		ð	. 15887	.16083	. 16103	.16052	15666	. 15606	15916	17809	.17146	.16934		5	15042	.15214	. 15347	. 15433	.15635	.16087	.16635	.17090	.16686	17131
	HACH ALPHA BOALPHA T		197	00592	60095	.00139	. 00320	. 001 36	00105	18000-	#0000 · -	6,000.		ø	01260	0112€	00609	.00073	00171	00298	-,00302	-,00132	06000.	.00050		ğ	00691	01093	00995	00570	00534	00550	00255	00145	1,000.	.00047
			ž	.00304	01152	01911	02655	03035	02501	00200	. 00349	.00037		C	.00057	84000.	00125	00732	00013	₹¥500.	51510.	.01554	. 00432	00145		ž	.00029	£ 2 6 10.	.03509	₩2650.	.03936	.03491	.03186	.01757	00128	00165
			ć	0/183	05605	06103	07847	11013	10821	- 03003	01128	00147		ç	09159	-, 11745	11702	10619	11995	09736	-, 08965	03740	00924	66000		Շ	04314	08521	13454	13760	13417	1093!	08654	03183	00270	.00128
		6.62	CL#	00097	00071	<b>61700</b> .	.01719	.02827	₹07.00.	7.810 -	00190	.00882	8.62	C.	. 02537	.02909	.03318	.03628	.03109	. 02507	.01655	04897	00476	. 02975	6.62	CLM	.01488	.01220	.02308	.02804	.01830	99,00.	01089	03796	.01231	.03299
	1052.0000 IN. XT .0000 IN. YT +47.0000 IN. ZT	RN/L -	Š	04815	0419	05471	04635	02579	04017	1200	01676	02716	BR/L	Š	05044	08520	10374	07496	04253	00377	. 02354	71060.	90100	0598 <b>5</b>	RN/L .	Š	- 02210	01690	04649	05280	02582	50710.	.04973	.05537	43552	05433
	• • •	. 361/ 0	7	-1.013	51.051	100.270	151.030	199.470	500.300	799 B50	799.870	939.160	. 362/ 0	7	.003	49.976	98.430	151.920	199.770	298.840	399.090	800.260	797.020	997.7.3	363/ 0	2	.422	50.036	101.000	149.130	200.050	300.440	399.800	603.050	800.780 600.300	1000.300
REFERENCE DATA	SO.FT. XMS/ INCHES YHRP INCHES ZHRP	PUN NO.	×	921.	0.1.	ج. م	98	660	. 180	. B. S.	129	564	RUN NG.	×	300.400	300,390	300.350	300.410	300.360	300.160	300.193	300.830	300.470	300.450	RUN NO.	×	800.440	600.490	600.440	600.480	600.600	800.650	600.280	600.560		<b>6</b> 00.660
REFERE	2880.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES																																			
	SREF . BREF . SCALE .																																			

A13 SOURCE DATA	
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DATE RZ AUG 75	1413 S	IAI3 SOURCE DATA	< <						PAGE	<u>86</u>
		14.	1413, SRB (SB) HITH PLUMES SEPARATING . ROM 09110	IH PLUMES SK	EPARATING . F	30H 09110		(RTJ116)	( 31 J.	. 27
PEFERENCE DATA	<							PARAMETRIC DATA	DATA	
SPEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	XIARP VIARP	. 1052.	7X .NI 0000 .N. XT .0000 IN. XT .447.0000 IN. ZT				MACH ALPHA DALPHA Y	4,530 .000 .000 10.000	PTOTAL - 110 BETA - DBETA - PCHMBR - 1500	000°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°
•	PUN NO.	364, 0	RN/L -	8.62						
,		•	3	ĭ	ζ	CAN	CBL	5		
V V V V V V V V V V V V V V V V V V V	9	970	60040	03411	06068	.02687	0198¢	. 16142		
900.610	3 9	50.560	.05181	04177	09818	.04693	02077	.15933		
000.006	02	98.537	.06048	04643	11710	. 05612	02000	. 16068		
900.800	00	149.010	.07030	05097	12755	.06977	01450	. 16371		
000.730	38	199.250	60170.	04697	15106	. 09150	-,61533	C82/1.		
045.006	2	299.690	.12052	07807	-,11553	. 06822	01013	524/1.		
900.570	170	402.700	.15358	10288	07928	.04897	00888	. 17681		
50000	9	596.980	.00546	-,01499	01823	.01290	.00184	.16508		
CBR UVO	2 6	0 . 757	06618	.03355	.00107	00131	.00081	. 16953		
200.000	9 6		- 05607	03373	56000	00126	61000.	.17298		
3.106	2	933.730								
		141	1A13,SRB(SB)HITH PLUMES SEPARATING FROM 09T10	TH PLUMES S	EPARATING FI	ROM 09110		(RTJ117)	171 (31 JUL 75	الا د
REFERENCE DATA	. ₹							PARAMETRIC DATA	C DATA	
. 13.02 0000 0000 = 3303	X	* 1052	1052.0000 1N. XT				MACH	4.530	•	110.000
1290.3000	YHRP	•	Ξ.				ALPHA .	000	BETA =	000
. 1290.3000 E • .0100	<del>08</del> 12	£44 .	447.0000 IN. ZT				DALPHA •	. 000 200 . 000	08ETA • PCHMBR • 1500	.000 1500.000
	PUN NO.	368/ 0	RN/L	6.62						
*		2	ક	E C	ç	CYN	<b>18</b> 5	ర		
•	82	158	50860 -	.03627	09401	00016	0088 <b>6</b>	.17159		
. •	928	51.014	0879 <b>5</b>	.03447	10267	.00260	01092	. 16695		
•	Š.	101.120	07506	60880.	-,10739	.00627	01105	. 16469		
•	218	150.790	06+03	.03080	-,11155	16210.	01101	.16398		
•	.316	210.500	05565	14620.	11817	.01608	01033	. 16315		
•	.187	301.150	03314	. 02328	12547	.01870	00900	.16730		
	.308	401.400	.00423	.00750	11496	. 02065	00613	+0691.		
•	417	600.060	.05358	02696	6+∵80*−	.02781	00767	17248		
	175	799.950	69400.	00690	03541	66910.	E0000	.17227		
•	561	997.990	04281	.01729	00695	.00431	.00111	<b>4</b> 00 <b>.</b> 1.		

### 1A13, SRB (58) WITH PLUMES SEPARATING FROM 09710

IA13 SOURCE DATA

DATE 02 AUG 75

PARAMETRIC DATA	• 4.530 PT07AL • 110.C00 • .000 BETA • .000 • .000 DBETA • .000 • .000 PCH*BR • 1500.000		CA		. 16368							7037			₹.		. 16836				. 17856	71784			.17257		<b>∀</b> ∪	.18171		90611.		.17503	71317	. 16523	.16164	81071
	MACH ALPHA DALPHA Y		<b>8</b> 5	01577	-,01668	01635		•	01011	•	'	77100.	,,,,,,,		평	02023	01983	01930	01857	01796	01351	01705	\$\$100·	.0008	84000.		g	01570	.01563	01945	02580	02675	02608	00824	91100.	B7000
			C	964£0,	91620'	.04062	.04165	.04176	681+0	.04503	.03225	. 01435			₹.	.06782	. 06939	71170.	07070.	54070.	. 08222	6+090	₩1620.	.00000	-,00125		Č	.08666	.06893	5090.	.06587	.05058	.06585	.04953	.00427	4,001
			ბ	11963	-, 12939	13203	12270	11499	12579	11760	05449	02225	9/000.		Շ	12185	- 12332	12531	12296	12005	-,11292	10665	-, 04410	00060	₩6000.		Շ	10918	08820	08067	09256	08742	09503	06899	00620	FROOR
	X X Y X Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	8.62	SC.	.03640	.03516	. 02910	.01725	.00676	01204	02606	04552	E4400.	.03383	<b>6</b> .62	ş	.02256	.01664	. 00652	01033	02483	-,05731	₹,080	00702	.03037	.03390	5.62	มี	01837	04569	07459	09977	11636	10329	04973	.02201	03332
	1052.0000 IN. X .0000 IN. Y 447.0000 IN. Z	RN/L	3	08436	08075	06829	04195	01463	.01987	9/5/0	.05926	02165	06613	RN/L -	ક	05867	-,04569	02448	. rn573	<b>6+8</b> ₹0.	¥1770.	10680	00591	06160	06631	RN/L .	ઢ	.01192	19640.	. 08589	.11728	.13581	.11180	.03850	05166	05513
		40. 367/ 0	7	546	49.393	98.897	148.330	198.780	299.960	399.910	601.34¢	900.960	833.840	to. 366/ 0	7	.012	50.472	100.770	150.630	200.260	299.900	400.960	599 870	799.400	986.990	0. 365/ 0	2	514	₹3.862	99.759	151,030	201.280	300,020	400.070	600.660	800,460
REFERENCE DATA	SAREF = 2690,0000 SQ.FT. XHRP LREF = 1290,3000 INCHES YHRP BAREF = 1290,3000 INCHES ZHRP SCALE = .0100	RUN NO.	×	300,420	300.300	300.320	300.410	300.280	300.330	300.200	300.400	300.490	300.470	RUN NO.	×	600.530	GHS-309	600.550	640.640	600.550	600.550	600.610	600.630	0+.9 · 009	600.5 <del>+</del> 0	RUN NO.	×	900.650	900.590	900.590	900.520	900.670	900.780	0+8:006	900.710	900.650

(RTJ118) (31 JUL 75 )

	110.000 000. 000 1500.000																																				
DATA	PTOTAL BETA BETA PCHMBR =																																				
PARANETRIC DATA	000. 000. 000.		5	07971.	.17955	17937	17946	.17913	. 18021	.18126	.17783	.17089	.17155		5	18159	18107	18146	. 18225	. 18238	. 18188	97671.	.16956	.16939	.17245		5	17536	17661	.17733	75771.	17573	.17366	.18877	.16722	.17055	. 17291
	MACH ALPHA OALPHA		85	01262	01353	01472	01601	01672	01340	01071	01158	.00180	₹000.		ø	02211	02046	01640	01348	01121	01025	01147	00523	06000.	.00068		ē	E+600 -	00973	00977	+.01024	01045	01500	01415	.00088	.00068	89000.
			CYN	104964	.05357	84730.	.05153	. 06462	.06019	84450.	£1620.	.01874	00097		C	. 09328	.09159	.08352	.07726	.07097	.06170	10100	.03065	.00246	00105		CÁN	.05706	.05889	.05879	.05509	61740.	.04158	.03279	. 00≥43	+0100'-	\$0100·-
			ઠ	10735	11423	12082	12694	13034	12336	-,11135	07271	02952	.00037		ò	12423	12432	11742	11215	10536	+.09574	-,08158	0466.	00426	.0003.		Շ	06753	07096	07220	06992	06108	05583	04386	1.00417	.00028	00000
		6.62	£	.04128	.03660	. 03255	. 02875	. 02391	.01105	00410	03789	.01215	.03332	6.62	C.	.0509	¥60¥0°.	60150.	.02067	64600.	-,01253	03304	01295	+0620.	.03387	8.62	CLM	.03690	.02746	.01528	.00078	01454	03535	02884	.03058	.03353	10000
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L .	₹	08456	07561	06901	05120	05134	02779	00185	.04185	03310	06548	RN/L .	3	08894	07628	06300	04781	03126	0,000,	74050.	00565	05981	05629	RN/L -	ટ	+1650	05680	-,04071	02168	00243	.02183	<b>4</b> € 300 .	92190 ·-	11880	1
		0. 369/ 0	2	350	49.571	99,660	149.560	199.150	299.510	399.870	800.430	800.170	939.810	0.370/0	7	122	50.208	100.170	150.190	200.190	300.370	399.810	599.760	799.880	999.540	0. 371/ 0	2	230	49.796	99.621	150.090	200.430	300.240	400.080	600.320	999.880	1
ENCE DATA	SQ.FT. XYRP INCHES YHRP INCHES ZHRP	RUN NO.	×	.232	. 280	. 233	.177	571.	. 220	מומי	. 321	8. S	₹.	RUN NO.	×	300.520	300.340	300.370	300.300	300.290	300,470	300.290	300.390	300.440	300.400	PUN NO.	×	600.460	600.550	600.560	600.470	600.560	600.450	800.650	800.410	670.550	)
REFERE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES																																				
	SREF LREF BREF SCALE																																				

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(RTJ118) ( 31 JUL 75 )	PARAMETRIC DATA	MAC: - 4.530 PTOTAL - 110.000 ALPHA000 BETA000 DALPHA000 DKETA000 Y
IAI3,SABISBINITH PLUMES SEPARATING FROM OGTIO	REFERENCE DATA	SREF = 2690.0000 50.FT. XPFP = 1052.0000 IN. XT LREF = 1290.3000 INCHES YHRP = .0000 IN. YT BREF = 1290.3000 INCHES ZHRP = 447.0000 IN. ZT BCALE = .0100

RUN NO. 372/ 0

# X Z CN CLM CY CVN CBL CA 900.620 -.098 -.0969 .01762 -.01397 .01291 -.00721 .17213 900.750 50.214 -.02246 -.001374 .01191 -.01155 .17244 900.650 100.050 .00384 -.02246 -.01374 .01191 -.01798 .17215 900.710 150.00 .02093 -.01414 .01213 -.02240 .17025 900.750 199.90 .02297 -.01414 .01213 -.02240 .17025 900.750 399.80 -.02315 -.00414 .00252 -.01109 .16801 900.620 -.02315 -.00508 -.00414 .00252 -.01109 .16801 900.620 -.02315 -.00509 -.00414 .00252 -.01109 .16801 900.760 799.750 -.06523 .03393 -.00108 -.00108 .17299 900.760 999.340 -.06608

IAI3,SRB(SB)HITH PLUMES BEPARATING FROM 09110	
F PUR	
IAI3,SRB(SB)HITH PLUME	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. 2T
IAI3,SPB(SB)HITH PLUNE	XMRP = 1052.0000 IN. XT XMRP = .00000 IN. YT ZMRP = 447.0000 IN. ZT

900	0000 SO.FT.		<u>Q</u>	-	52.000	1052.0000 IN. XT				HACH.	4.530	PTOTAL
3000	3000 INCHES	YHR	Q.	•	.00	.0000 IN. YT				A Pre	000	AT 7A
3000	3000 INCHES	ZHSP	<u>&amp;</u>	•	447.0000 IN.	0 IN. 2T				DALPHA -	000	08674
010										• >-	800.000	PCHEBR
		RUN NO.	ġ	373/ 0		RN/L	6.62					
	×ï	<b>₹</b> 89:	- 1-	2 798.950	•	CN 06595	CLM .03358	CY . 00025	CYN 00105	CBL . 00068	CA . 17298	
		į	ġ	RU! NO. 374/ 0		- 7/NS	6.62					
	300 ×	X 300.440	r	2 799.990		CN 06583	CLM .03353	CY . 00028	CYN 00108	CBL . 00067	CA . 17310	
		\$	ġ	RUN NO. 375/ 0		FRVI.	6.63					
	800 ×	X 600.580	7	2 793.870	-	CN 06582	CLM .03352	CY . 000 <i>2</i> 7	CYN 00105	.000 <b>68</b>	CA .1730¥	
		PCN NO.	Š.	378/ 0		RN/L .	6.82					
	× 0	× 900.880	,	2 799.860		CN 06590	CLM .03355	CY .00028	CYN 00105	.00068	CA . 17312	

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1A13 SOURCE DATA DATE 02 AUG 75

SAEF . S LREF . I BREF . I SCALE .

### (RTJ120) (31 JAL 75 1413 SRB(SB) M/O PLUNES SEPARATING FROM 09110

REFERENCE DATA	7							•	PARAMETRIC DATA	DATA	
2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100	X HESP Y HESP Z HESP		1052.0000 IN. .0000 IN. 447.0000 IN.	.0000 IN. XT .0000 IN. YT .0000 IN. ZT				MACH ALPHA BOALPHA B	,530 .000 .000	PTOTAL • BETA • DBETA • PCHEBR •	000.011
	₹ 80.	377/ 0		RN/L	6.83						
×		2	J	Z	r.	გ	CYN	평	క		
•	100		, \$	06511	.03225	01587	00141	64000'-	16371.		
•	571.	50.206		06591	.03451	01408	00152	.00019	80221.		
. •	.217	99.783		08170	.03269	01319	00119	-,00025	. 17312		
•	134	149.050		05818	.03131	01329	00071	00065	.17362		
•	.243	197.520		05322	.02946	01467	85000.	E-100	17330		
-	. 167	299.900		04526	9/ 4/0	97510	90900	0000	17194		
•	.238	400.860		U5544	0//20.	3000.	. 00103	.00067	91271.		
•	Ç F	900.930		- 06574	03337	.00032	e0100'-	.00067	. 17232		
		1000.100		06588	.03343	.00025	00109	.00067	.17255		
	RUN NO. 378/ 0	. 378		RN/L .	6.63						
<b>&gt;</b>		7	•	z	₽ J	ς	Z,	18:	5		
2002	300 420		554	06164	.02932	01876	60+00	00105	17354		
000	300.460	49.797	·	05940	.02918	01635	.00343	-,00075	. 17342		
300	077 OOE	99.707	·	05504	.02728	01436	.00335	96000'-	17409		
300.	300.520	149.810		05135	16160	01182	.00277	00133	17301		
300	300.440	199.910		05537	. 02806	00985	.00231	60000.	17249		
300	300.460	300.360		05637	₹9620	00830	.0026 <b>5</b>	86000	17245		
300.	300.510	402.140		05*20	. 02651	00667	.00318	50100.	17200		
300.	300.430	598.750	-	05592	64880.	.00025	00107	7 9305 .	2 PO / 1 .		
300	300.450	799.060	-	06596	.03351	.00028	00108	89000	0.000		
300	300.450	999.300	•	06588	.03347	.00026	00107	. 00067	. I .		
	₹ 8		379/ 0	RN/L .	6.63						
<b>&gt;</b>		~		Z	r.	Շ	C	<b>8</b> 5	ర		
009	600.520		- 705	04843	. 02076	01749	.00701	00252	. 17526		
009	600.560	50.825	•	04822	. 02021	01519	.00579	00233	.17325		
009	064,008	100.360		05559	.02611	01289	.00515	00018	.17267		
009	600.510	150.370		05907	.02950	01048	.00437	.00083	.17235		
009	600.620	200.500		05993	.030≥4	00784	.00328	86000.	27243		
009	600.590	299.880		05949	.0290.	00486	.00235	68000.	.17234		
600	600.670	400.020		06340	.03134	66000'-	0000B	÷2000.	17196		
600	500.530	501.060		06610	.03337	. 00026	00107	.00067	17273		
600	500.690	800.840		06617	03340	. 0002 <b>6</b>	00106	99000.	1357		
600	600.600	1000.100		06607	.03336	. 000 ces	00105	/ <b>9</b> 000 .			

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DATE 02 AUG 75

in b

20 3140	2										
			<b>!</b>	IAI3 SABISB) W/O PLUMES SEPARATING FROM 09TIO	O PLUMES SE	PARATING FE	NH 09110		(RTJ120)	-	31 JUL 75
	REFERENCE DATA	AT.							PARAHETRIC DATA	DATA	
SPEF LREF BPREF SCALE	2690,0000 50.FT. 1290,3000 INCHES 1290,3000 INCHES.	d d d d d d d d d d d d d d d d d d d	. 1052.0000 	052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				HACH ALPHA • DALPHA •	000. 000.	PTOTAL BETA • DBETA • PCHMBR •	000.011
		. K	380/ 0	FN/L -	6.63						
	*		2	3	r T	Շ	CYN	<b>e</b> 5	క		
	000	900.740	-1.247	05589	. 02443	01445	.00838	00084	.17264		
	006	042.006	49.678	06112	. 02933	01359	₩6200.	. 00058	. 17237		
	.006	010.006	99.936	06160	.03023	01144	₩2900.	. 00102	.17264		
	.006	900.670	049.641	06116	96620.	00844	96+00.	.00103	15571.		
	.006	900.770	199.690	06110	.02969	00548	.00317	.00092	. 17211		
	006	900.720	299.690	06606	.03331	.00020	00102	.00067	17221		
	006	900,750	399.950	06610	.03337	.000S	00105	99000.	12571.		
	005	900.660	601.980	06610	.03335	.00020	+0100	99000.	.17252		
	006	900.730	799.350	-,08614	.03337	.00025	00106	.00067	. 17259		
	006	900.710	999.080	06516	.03337	.00024	00108	.00067	. 17259		
			IAI	1A13 SRB(SB) M/O PLUMES SEPARATING FROM 09T10	O PLUMES SE	PARATING FI	70M 09T10		(RTJ121)	21) (31 JUL 75	الا د
	REFERENCE DATA	VIA							PARAMETRIC DATA	DATA	
				:				100	3	PTOTAL -	110.000
. Sec.	2690.0000 SQ.FT.	<b>2</b>	<u>x</u> • •	.0000 IN. YT					000		000
BREF -			•	447.0000 IN. ZT				DALPHA •	.000 200 000	DBETA -	000
		PEN NO.	301.0	FBN/L -	6.62						
	<b>&gt;</b>			8	<b>x</b>	ò	CYN	<b>e</b> 5	ే		
	•	318	262	05934	548€0.	01852	66600	00050	17394		
		.236	50.081	05724	.02705	01685	.00865	00039	17408		
		<u>\$</u>	100.240	- 05534	. 02569	01500	.00765	00055	. 17354		
		£73.	150.240	- 05528	. 02570	01301	.00588	00054	.17307		
		.278	200.220	05626	. 02622	01006	.00530	00054	7.57		
		<u>86</u>	300.060	06238	.03093	-, c0505	03.00.	. 00088	.17226		
		<u>8</u>	400.010	06433	.03210	00126	60000.	¥C000	17226		
		. <del>2</del> 8.	599.560	06596	103331	.00023	00105	.00067	3246		
		.378	799.460	06599	03330	50003.	00106	99000	17258		
		. 269	999.800	~.06607	03334	C 0000 .	00106	99000	2001		

DATE 02 AUG 75

IA13 SOURCE D/'A

PAGE 205

000.01 (RTJ121) (31 JUL 75 ) PTOTAL •
BETA •
DBLTA •
PCHMBR • PARAMETRIC DATA 4.530 .000 .000 .000 MACH ... ALPHA ... OALPHA ... IAI3 SPBISB) H/O PLUMES SEPARATING FROM 09TIO YMAP - 1052.0000 IN. XT YMAP - .0060 IN. YT ZMAP - 447.0000 IN. ZT SREF = 2690.0000 50.FT, X LREF = 1290.3000 INCHES Y BREF = 1290.3000 INCHES Z SCALE = .0100 REFERENCE DATA

X         Z         CN         CLM         CY           300,450         -,154         -,05769         ,02723         -,01726           300,440         49,932         -,05340         ,02412         -,0,685           300,340         49,932         -,05340         ,02412         -,0,685           300,340         49,882         -,04965         ,02117         -,01657           300,340         149,580         -,05907         ,02117         -,01425           300,340         200,060         -,06415         ,03186         -,00209           300,390         400,160         -,0610         ,03335         -,0023           300,440         600,660         -,06591         ,03335         -,0023           300,510         800,230         -,0663         ,03332         ,00021	383/ 0 Rt/L = 6	6.62				
49.93e 05340 02412 99.84e 05340 . 02412 99.84e 04965 . 02121 149.580 05907 . 02117 200.060 05907 . 02831 300.370 06415 . 03136 600.660 06510 . 0335 600.60 06603 . 0335	Š	C.H	გ	CYN	<b>18</b> 5	₹
99.84205340 .02412 99.84204965 .02121 149.58005030 .02117 200.06005907 .02831 300.37006415 .03188 400.16006610 .0335 600.66006603 .03326	05769	.02723	01726	.00977	*1000'-	. 17415
99.84204965 .02121 149.58005030 .02117 200.06005907 .02831 300.37006415 .03188 400.16006610 .03335 600.66006603 .03332	05340	. 02412	0.685	95600.	6,000,-	. 17373
149.58005030 .02117 200.06005907 .02631 300.37006415 .03186 400.16006610 .03335 600.66006591 .03326 800.2300663 .03332	-,04965	.02121	01657	.00968	00177	.17357
200.06005907 .02631 300.37006415 .03186 400.16006610 .03335 600.66006591 .03326 800.2300603 .03332	05030	.02117	01425	.00831	00182	. 17283
300.37006415 .03188 400.16006610 .03335 600.66006591 .03326 800.2300603 .03332	05907	.02831	01064	.00601	.00045	. 17203
400.16006610 .03335 600.66005591 .0336 800.2300663 .03332	06415	.03188	00209	.00076	. 00080	.17196
600.66006591 .03326 800.23006603 .0332	06610	.03335	.00023	00105	. 00066	17248
800.23006603 .03332	06591	.03326	.00031	00109	.00068	317215
	06603	.03332	.00021	00105	99000	. 17243
999,96005598 .03331	06598	.03331	.00028	00106	99000'	. 17252

\$	PEN NO.	382/ 0	RN/L.	6.62				
×		7	ટ		Շ	CYN	ෂ්	3
600.480	_	810.	05797		005⊁6	.00356	00122	. 17311
600.640	_	50.037	05799		00489	.00300	00143	17237
600.430	_	526.66	0637B		.00334	.00163	£000	.17166
600.500	_	149.970	06519		64100	.00058	67000.	.17162
500.520	_	199.950	06562		- 00045	000'S2	17000.	37171.
600.560		300.580	06591	.03325	.000S	00105	.00067	.1718
600.500		401.130	06592	.03328	.00023	00105	.00066	.17216
600.570		599.250	-,06611	.03335	.00028	00107	.00067	.17256
600.580	_	799.310	05611	.03335	.00027	00108	.00066	17261
600.600		999.450	06603	.03333	.00026	90100 -	.00067	.17252
2	PCN NO.	391/0	RNY	<b>9</b> .62				
×		2	Š	CLM	Շ	CYN	ස්	5
900.590	_	. 102	06536	.03267	11000.	00101	.00041	.17196
900.650	_	50.082	06608	.03333	12000	00106	.00067	. 17225

<b>5</b>	.17196	. 17225	. 17213	.17250	. 17246	.17258	17241	.17263	.17256	. 17263
CBL	1.0000	.00067	.00067	.00067	.00087	.00067	.00067	99000	. 0036 <b>5</b>	. 903 <b>57</b>
					-,00106					
Շ	11000.	12000	.0003	.0003	. 00022	.00027	.0000.	. 00023	. 20023	.00018
CLM	.03267	.03333	.03332	.03336	.03334	03337	.03331	.03335	.03334	.03338
Š	06536	06608	08604	05614	05807	-,05514	06597	06609	ceso <b>s</b>	06516
2	-102	50.085	100.150	150.240	200.220	299.650	398.890	600.740	A00.710	399,690
×	900.530	900.650	900.680	900.680	900.660	900.690	900.650	900.770	900.730	900.630

10.11

PAGE 206

(RTJ122) (31 JUL 75 )

1A13 SRB(SB) H/O PLUMES SEPARATING FROM 09T16

	REFER	REFERENCE DATA	< <							PARAMETRIC DATA	DATA	000 011	
• •	2890.0000 SQ.FT.	SQ.FT.		1052.0	1052.0000 IN. XT .0000 IN. YT				MACH ALPHA BALPHA B	000.		000	
PREF -	1290.3000 INCHES	SC FES	7						· -	<b>400</b> .000	PCH#18R =	000	
		œ	PCN NO.	385/ 0	RN/L -	6.62							
		×		7	3	5	S	N.	CBL.	5			
		, ,	ď	. 113	06416	C8180.	00059	- , 00030	€1000.	.17257			
		i v	928	16.84	06398	.03170	00053	00029	00000	07571.			
		, Au	192	99.85 <del>4</del>	06391	.03159	00048	00036	00006	.17246			
		'n		149.980	06438	+61€0.	00029	00058	.00005	17224			
		-:		200.040	- 06563	.03295	<b>10000</b> .	+6000	64000.	17219			
		ĸ,	.305	300.030	06592	.03326	. 00026	00107	.00067	51271.			
		ĸ.		400.380	06598	.03330	.00026	00106	.00067	.17233			
		ب	£8.7	600.000	05605	.03333	.00023	00107	. 00067	. 17253			
		m.		799.940	06506	.03333	.00022	00106	. 00066	3271.			
		E.	-	995.960	06511	.03337	. 00022	00106	.00066	.17268			
		Œ	₹ 8	386/ 0	RN/L -	8.62							
		×		~	3	ਸ ਹ	5	CÁN	<b></b>	ర			
		300.390	061	601.	06419	.03184	00047	00032	10000	M271.			
		300.380	90	50.145	06440	.03197	00034	00053	. 00007	.17223			
		300.410		100.150	06562	.03291	. 00002	16000'~	9+000.	. 17250			
		300.530		150.220	06598	.03327	.00021	00106	.00067	. 17223			
		300.450		200.130	06602	.03329	.00022	00106	.00067	. 17229			
		300.350		300.130	06501	.03330	81000.	00105	.00066	1724			
		300.390		399.940	06594	.03330	.00022	00106	.00067	. 17253			
		300.440		599.810	06604	.03330	₹2000.	00106	.00067	. 17238			
		300.460		077.667	06603	.03330	91000.	+0100	.00066	. 17238			
		300.360	-	1000.0001	-,06594	.03326	.00018	00105	99000.	. 17225			
		u.	PS NO NO	387/ 0	RN/L .	<b>6</b> .62							
		×		~	ž	£ J	ć	C	ਲ	5			
		600.530	530	1.227	- , 06544	.03282	+00000 -	00086	**000·	. 17239			
		600.510	510	996.64	06602	.03331	.00017	00104	99000	. 17242			
		600.520	, ex	100.010	06604	.03332	71000.	00105	99000.	17267			
		600.510	510	149.950	06603	.03331	.00021	00105	99000	. 17245			
		DC: 009	DC.	199.890	06601	.03330	.00020	60105	.00067	.17235			
		600.500		299.860	06604	.03331	.0000.	00105	99000.	.17241			
		600.530	530	399.980	-,06 <b>595</b>	.03327	.00018	00105	. 00066	.17222			
		800 . 460		600.420	0658 <b>6</b>	.03325	1000.	00105	.00068	17224			
		600.530		800.030	<b>-</b> .0660¥	.03332	.00022	00106	.00067	. 17246			
		800.460		939.930	- 06594	.03327	.00018	00109	.00068	.17227			

DATE G	DATE 02 AUG 75		[A] 3	25	IAI3 SOURCE DATA	_						ď	PAGE 207
					1413	H (85)895 1	1A13 SRB(SB) H/O PLUMES SEPARATING FROM 09TID	PARATING FR	30H 09110		(RTJ122)	22) (31 JU.	JA. 75 )
	ACF EREN	RENCE DATA	4								PARAMETRIC DATA	DATA	
SCALE SCALE	# 2690.0000 80.FT. # 1290.3000 INCHES # 1290.3000 INCHES	80.FT. INCHES INCHES	× × × × × × × × × × × × × × × × × × ×		0000 . 244	.0000 IN. YT .0000 IN. YT				MACH ALPHA OALPHA	0000 0000 0000	9ETA	00.00.00.00.00.00.00.00.00.00.00.00.00.
			75 75 76		388/ 0	RN/L -	6.62						
		*		^		3	r S	Շ	Č	<b>8</b>	5		
		900.670	910	•	مح	06801	.03331	.0000	00105	.00088	.17240		
		900.680	680	<u>بر</u>	50.269	05500	.03329	71000.	+0100	.00066	17237		
		900.700	700	5 5	100.130	7.05595	15550.	81000.	-,00105	99000.	17224		
		900.680	280	200	200.230	-, 06502	. 03330	. 00018	00104	.00066	17231		
		900.690	069	300	300.240	08602	.03331	. 00018	00104	.0006	. 17244		
		900.630	630	395	399.850	06603	.03330	.00022	00105	. 20066	. 17236		
		900.690	690	366	599.940	08603	03330	05000.	00105	. 00055	17241		
		900.730	730	5 8	799.450	- 06610	15550	02000	50100	99000	17238		
		. 00a	<b>9</b>	n b	2								
					IAI	588(S8) H	IAI3 SABISB) M/O PLUMES SEPARATING FROM OBTIO	PARATING FR	POM 09710		(RTU123)	23) (31 JUL	JL 75 )
	REFE	REFERENCE DATA	<b>*</b>								PARAMETRIC DATA	C DATA	
385 385	• 2690.0000 SQ.FT.	SO.FT.		• •	1038.6	1032.0000 IN. XT				MACH ALPHA	4.530 .000	PTOTAL BETA	000.011
BREF SCALE	- 1290.3000 INCHES	INCHES	<b>8</b> € 7.	•	447.(					DALPHA .	000.	096.TA = PCH#8R =	000
			₹ 6		389/ 0	RN/L	8.						
		×	.263	<b>2</b>	2 800.120	CN 06602	CLM . 03329	CY .00018	CYN 00105	. 0006 <b>6</b>	CA . 17234		
			9 2 2		390/0	RN/L	8.62						
		х 300. <b>38</b> 0	380	2 800	Z 800.030	CN 06602	€2££0.	CY .00017	CYN 00104	.00066	CA . 17236		
			PCN NO.		0 /15£	RW/L	6.61						
		X 600.410	610	2	2 800.000	CN 06595	CLM .03327	CY .00018	CYN 00104	CBL . 00066	CA . 17222		
			P. NO.		392/ 0	RN/L .	29.9						
		ж 09г.00 <del>6</del>	169	<b>~</b> ₹	2 799.900	CN - 06 <b>599</b>	CLM .03328	CY .00017	CYN 00104	<b>CBL</b> .00068	CA .17225		

10.4

(RTJ124) (31 JUL 75 )

### IAI3 SABISB) M/O PLUMES SEPARATING FROM 09710

### PTOTAL = 110.000 BETA . .000 OBETA . .000 PCH\*BR . .000 PARAMETRIC DATA 000.008 CA . 17191 MACH ... ALPHA ... DALPHA ... Y . 000**65** CYN -.00103 . 00007 CLM .03330 6.63 SREF = 2680.0000 \$0.F?, XMPP = 1052.0000 IN, XT LREF = 1290.3000 INCHES YMPP = .0000 IN, YT BREF = 1290.3000 INCHES ZMPP = .447.0000 IN, ZT SCALE = .0100 CN -.06610 FBV/! RUN NO. 393/ 0 x z 1601.100 800.170 PEFERENCE DATA

<b>3710</b>	
S E	
921	
SEPAR	
LC RS	
0	
1A13 SABISB) W/O PLUMES SEPARATING FROM 09T10	
1A13 S	

(RTJ125) (31 JUL 75 )

	000.011												
DATA	PTOTAL ** BETA ** DBETA ** PCHHBR **												
PARAMETRIC DATA	000. 000. 000.		₹	37171.	.17181	.17181	.17156	.17182	97171.	17:76	.17181	17207	.17185
	MACH ALPHA BALPHA T		SB.	.00065	.00065	.000e4	.00065	.00065	.00065	₩9000.	₩9000	.00065	.00065
			CYS	₹100	0010€	00102	00103	00100	00103	00101	00102	00103	00102
			Շ	S1000.	.00013	60000	.00011	.00010	. 1000.	.00005	11000.	.00010	90000.
		6.63	CL	.03326	.03328	.03327	.03322	.03328	.03326	.03326	.03328	.03331	.03329
	1052.0000 IN. XT .0000 IN. YT 447.0006 IN. ZT	RN/L	Š	06605	06608	60990	06597	06609	06609	06607	06608	06615	06612
		394/ 0	7	055	50.080	99.953	150.060	199.970	300.050	398.940	600.500	800.420	1000.200
REFERENCE DATA	2690.0000 \$Q.FT. XMRP 1290.3000 INCHES YMRP 1290.3000 INCHES ZMRP .0100	RUN NO.	×	1600.300	1601.100	1601.100	1601.000	1600.900	1601.000	1601.100	1601.100	1601.000	1601.100
	SREF . LREF . BREF .												

Jr. j

(RTJ126) (31 JUL 75 ) 1A13 SRB(SB) W/O PLUMES SEPARATING FROM 09710

	000.011 000. 000.																				
DATA	PTOTAL BETA BETA BETA BETA BETA BETA BETA BETA																				
ARAMETRIC DATA	000. 000. 000. 000.		ర	17176	912/17	.17257	.17308	.17341	. 17209	12171.	14171.		<b>5</b>	17151	56171.	.17162	17151	. 17118	17097	.17140	.17:65
	MACH ALPHA • DALPHA •		CB.	.00081	<b>9</b> +000.	.00003	00060	00127	.00013	.00081	.00065		턵	92000.	€6000.	66000.	£6000.	18000.	.000e4	.00065	₩9000.
			CYN	00397	00398	00328	00207	00086	16000.	16000.	00103		C	.00718	94900°	.00501	77500.	16100	00100	00103	00101
			Շ	01072	-,00783	00699	0081≥	00927	00921	00339	. 00011		Շ	01281	01151	10600	00671	00384	00000	1 1000.	.0000
		6.64	3	964.00	.03412	.03318	54160.	. 02895	. 02889	7:650.	.03323	6.64	C.M	.02807	.03053	.03041	.02981	.03023	.03319	.03323	.03324
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L	Š	-, 05664	06439	06219	05848	05355	05289	05969	06807	FN/L	ક	08011	06233	06179	05121	06204	06598	06608	06606
		. 395/ 0	7	5	50,233	99.965	149.330	198.170	300.010	400.620	600.030	. 398/ 0	7	. 303	50.049	100.190	150.000	200.400	300.610	398.350	600.260
REFERENCE DATA	SREF • 2690.0000 50.FT. XHRP LREF • 1290.3000 INCHES YHRP BREF • 1290.3000 INCHES ZHRP SCALE • .0100	RUN NO.	ж	<b>8</b>	822		682	MO5.	212	28E.	102.	RUN NO.	ж	0.006	099.006	900.750	000,000	096.006	019.006	900.820	900.530

ROM 09110
SEPARATING F
PLUMES !
ž
588(58)
1413

PARAMETRIC DATA  1 * 4.530 PTOTAL * 110.000  1A * .000 BETA * .000  HA * 5.000 DBETA * .000  ** *	CBL CA00002 .17275 .00005 .1726100003 .1724000044 .1729900005 .17139 .00084 .17150 .00067 .17134	CA CA COOGS .17125
SPEF = 2690.0000 SQ.FT. XPPP = 1052.0000 IN. XT  LREF = 1290.3000 INCHES YPPP = .0000 IN. ZT  BPRF = 1290.3000 INCHES ZPPP = .447.0000 IN. ZT  SCALE = .0100	6.64 CLM CY CYN .0284801724 .00874 .0274601494 .00722 .0271701310 .00649 .0263301057 .00531 .0283900754 .00360 .0310600386 .00169 .032710004800057 .03329 .0000400102	X         Z         CM         CLM         CY         CYN         CFN         CFN

IA13 SOUNCE DATA

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TACK DI	(RTJ128) (31 JUL 75 )
IAIS SOUNDE DATA	17.13 SPB158) W/O PLUMES SEPARATING FROM 29110
n	

	REFER	RENCE DATA	<b>*</b>							PARAMETRIC DATA	C DATA	
SACF LAREF BREF SCALE	2690,0000 1290,3000 1290,3000	SO.FT. INCHES INCHES	XX48P YHRP ZYRP	. 1052.0 	1052.0000 IN. X .0000 IN. Y .47.0000 IN. Z	XT YT ZT			1ACH	4,530 ,000 5.000 400.000	PTOTAL BETA DEETA PCHIIBR -	000.011
		œ	RUN NO.	397/ 0	RN/L .	₩9.9						
		×		2	ટ	CLM	გ	CYN	<b>18</b>	3		
		M.	03	097	05+30	.03187	00057	00036	11000.	.17176		
		ĸ.	378	49.864	-, 06414	.03169	00058	00037	00000.	17169		
		ų	-585	99.887	08432	97120.	B+000'-	00047	.00001	.17158		
		Ñ.	. 288	149.690	06519	.03244	00021	00077	62000.	.17138		
		ř.		199.850	08602	.03320	<b>+00000</b> .	00100	+9000.	.17126		
		ښ	.ج. ۱	300.090	05507	.03322	<b>S</b> 0000.	00102	₹9000.	17142		
		٠٠		+00.110	- 06802	.03321	<b>20000</b> .	00101	.000E4	17140		
		÷.	. 577	593.350	05617	.03328	.00005	00101	.00053	.17169		
		Æ	9 3	RUN NO. 400/ 0	RN/L	<b>3</b> .64						
		×		Z	ž	C.	Շ	C	CBL	క		
		900.580		146	06608	.(3323	.00007	00102	₩9000.	.17157		
		900,650		49.892	06611	.03325	4000C	00101	.00063	.17153		
		800.690	90	99.68	05611	.03326	<b>40000</b> .	00101	.000e	17159		
		900.680		149.930	06615	.03327	90000.	00102	₩9000.	.17162		
		900 . 690		199.570	06616	.03328	70003.	00102	₩9000.	.17169		
		900.610		300.000	05620	.03329	. 00005	00102	₹9000.	17178		
		900.76		199.600	06612	.03325	90000.	00102	₹9000.	.17150		
		• 900.660		599.290	06611	.03326	.0000	00102	₩9000.	17159		

IAI3 SABISB) H/O PLUMES SE'ARATING FROM 09110 (RTJ129) (31 JUL 75 )

PARAMETRIC DATA	- 4.530 PTOTAL - 110.000 000 BETA000 5.000 OBETA000 000 PCMMBR000		CA	6 .17258	<b>9</b> .17265		505.1.		¥E141. 0		¥ .17139	00171. E		۷.	5 .17372	9 17305								3 .17101		₹.	7 .17308			3 .17113	12081	1,1067			. 17.37
	MACH ALPHA DALPHA Y		<del>5</del> 5	00306	00178	17106	00185	00245	01100.	.00065	.00083	.00063		평	00392	00319	00213	00187	00102			.00063	.00063	.00063		ස්	00407	00150	0,000.	.00108	<b>+6000</b> .	97000.	.0006	.00064	M9000.
			CYN	.00314	.00348	. 00389	.00370	. 00568	16400.	00070	00100	00100		CYN	.00783	.00746	.00707	.00686	.00603	.00400	.00482	00100	00100	00101		CYN	.00873	43800.	.00735	1,00621	.00369	. 00111	00102	00101	00102
			Շ	02345	02411	02481	02469	02209	01175	00038	00000	00000		5	11820	02392	02254	02043	01768	01272	01023	00001	.0000	€0000.		Շ	02016	01853	01601	•.01263	15.00	00275	.0000	<b>2</b> 0000 .	.00007
		6.63		. 02378	. 02839	. 02883	. 02729	. 0204 <b>2</b>	.02599	.03238	.03328	.03320	6.63	ť	96810	. 02503	.02443	. 02388	.02399	. 02806	02489	.03324	.03324	.03320	6.63	£	101424	.02163	.02700	, 02895	. 02915	S+620.	.03326	.03323	.03324
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	- 1/XE	ટ	05467	05980	0561 <b>6</b>	-,05095	03752	05083	06506	08627	05611	RN/L	3	05012	05255	05358	05048	05003	05367	05083	06606	06501	06595	PRV L	ર	66 <b>0</b> ∿0′∽	05044	05616	05804	-,05786	06087	05504	06601	06601
	XMRP = 1052. YMRP = . ZMRP = .	3UN NO. 4117 0	Z	50.042	99.585	148.710	200.140	289.940	401.960	601.090	800.750	1000.100	RUN NO. 409/ 0	7	.061	50.384	100.530	150.480	199.390	300.150	401.510	601.160	040 . 108	1000.000	NO. 401/ 0	~	51.258	100.700	150,400	200.05g	299.540	400.140	601.720	801.140	999.970
REFERENCE DATA	2690.0000 SQ.FT. XI 1290.3000 INCHES YI 1290.3000 INCHES ZI .0100	NOR.	×	.343	293	Ž.	288	₹2.	.338	<b>9</b> 素	æ.	275.	S.	×	300.360	300 . 390	300.470	300.420	300.380	300.370	064.00	300.400	350.570	300.440	RUN NO.	×	600.860	600.750	919.009	009 . 009	600.510	600.650	600.770	600.830	600 . 700
	SAEF - 26 LREF - 12 BREF - 12 SCALE -																																		

DATE 02	DATE 02 AUG 75	141	IAIS SOURCE DATA	E DATA							PAGE	0€ 21 <b>3</b>
				M I W	IAIS EHBIGB) W/O PLUMES SEPARATING FROM OFFID	PLUES S	EPARATING FI	ROH 04110		(810189)	70° (31 °0°	بر ت
	REFURENC	NCE DATA								PARAMETR, C	C DATA	
SREF LREF BREF SCALE	3800,0000 80. 1290,3000 1NC 1280,3000 1NC	SO.FT. XMRP INCHES YMRP INCHES ZMRP	• • •	.0000 .0000 447.0000	052.0900 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA DALPHA	3	PTOTAL BETA DBETA PCHIBR =	000.011
		PCN NO.		0 /205	RN/L . G	6.63						
		×	7		8	CL R	Ն	CAN	CBC	ర		
		900.460	48.262	262	05751	.02592	9,01679	78600.	<b>9</b> 0000	17113		
		900.750	019 67	015	05056	02958	01122	5890	360505.	17086		
		900.710	199.680	980	06020	60620	00803	62400	66000	17061		
		900.670	299,406	20*	05462	.032!5	00082	00030	. 00068	17054		
		900.680	400.100	100	06600	.03322	11000.	00103	<b>+9000.</b>	. 17100		
		900.770	599.770	071	35502	.03325	+0000	00101	.00063	.17140		
		300.700	799.310	310	05569	.03318	+0000.	00101	+9000·	.17106		
		019.008	898,740	0 1/2	06503	.03324	£0000.	00101	<b>+9000</b> .	.17!30		
				1413	IA13 SPBISB) W/O PLYMES SEPARATING FROM 09710	ନ୍ଧ୍ୟକ୍ଷର କ	EPARATING FI	ROM 09710		(RTJ130)	~	31 JUL 75 )
	REFERENCE DATA	E DATA								PARAHETRIC DATA	C DATA	
SPE	2690.0000 50.FT.	SQ.FT. XHRP	٠.	1052.5: .0.	1052.0000 IN. XT				MACH .	4.530	PTOTAL -	000.011
BREF .			• œ	+47.0	ž				DALPHA .	-5.000	DBETA -	000.
		PUN NO.		412/0	RN/L . 6	6.63						
		×	2		ક	r U	Շ	C	<b>8</b> 5	3		
		340	50.483	•83	05544	.02534	02105	.01155	00145	.17384		
		36.	100.330	330	05211	.02304	01927	.01015	00139	17321		
		, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	150.110	0 -	05030	.02161	01801	70 <b>6</b> 00	₹. 001.¥	.17263		
		.350	200.040	0.50	05240	.02312	01513	.00832	00125	.17192		
		# 1 # 1	300.110	0	06152	.03027	00753	.00379	.00087	.17068		
		.331	399.610	510	06357	.03129	03269	.00113	. 0007 <b>8</b>	.17113		
		/B .	700 260	ָּעָ מַעָּ	066.34	76220	00005	- 00009	29000.	18171.		
		.390	989.660	360	05616	.03324	00002	66000	.00062	17108		

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TATE SPRISBI W/O PLIMES SEPARATING FROM 09710

(3) JUL 75

(RTJ130)

	000.011																																				
DATA	PTOTAL = BETA = UBETA = PCHMBR =																																				
PARAMETRIC DATA	4,530 .000 .5.000 200.005		5	17354	.17328	.17286	17221	.17100	.17023	.17095	.17134	.17128	75171.		ď	. 17213	.17173	.17077	.17052	17041	.17054	55171.	.17129	17129	17141		<b>ა</b>	.17048	.17085	1.7068	17108	.17125	.17125	.17136	. 17139	.17124	. 17143
	HACH ALPHA BOALPHA Y		<b>6</b> 5	00139	00117	. 00193	00246	00137	₩8000°	.00063	.00063	. 000E4	.00063		96	00145	00199	00103	.00077	₩2000.	.00063	.00063	.00064	.00063	.00063		<b>8</b> 5	16000	.00063	.00063	.00064	.00063	.00063	, <b>0</b> 0064	.00063	.00063	. 00063
			CX	.01233	.01043	.010B9	4E010.	.00833	. 00259	00100	00100	00102	00101		CAN	14400.	.00417	.00293	.00169	. 00052	00103	00100	00101	00100	00101		C S	00057	00100	- 00009	00101	00100	00100	00101	00100	00100	00100
			Շ	02044	01852	01889	01762	01444	00497	00001	00002	.00005	<b>5</b> 0000.		Շ	09677	00641	00516	00358	00187	B0000.	.00003	.0000.	.00002	*0000°		č	00053	10000.	00001	. 30003	.0000	.00000	10000.	10000.	00002	. 00001
		6.63	H)	.02576	.02345	.02043	.01876	.02221	.03067	.03318	.03324	.03323	. 03323	6.63	5	. 02592	.02487	.02764	.03232	.03250	.03319	.03323	.03324	.03323	.03325	6.63	CL#	. 02926	₩5880.	.03319	.03325	. 03325	.03326	. 03325	.03324	.03324	.03326
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L	Š	056:3	05270	04868	04690	05177	06243	06593	- 06803	06598	~.06602	RN/L -	ટ	05671	35567	05941	06485	06511	06597	-, 06599	06600	06599	+.0990.−	RN/L .	ક	06149	06607	06599	06608	~.08 <b>60</b> 5	06505	06606	06602	06502	06607
		0 /504 .	2	297	45.714	98.707	149.700	199.710	300.630	400.670	900.890	800.F60	1000.200	0 /+0+ .	2	160	48.83 <b>8</b>	906.66	150.090	200.070	300.940	₩01.290	598.820	798.960	989.090	. 405/ 0	2	. 267	50.255	100.280	150,150	200.090	299.350	398.310	601.150	800.910	1000.300
REFERENCE DATA	SQ.FT. XHRP INCHES YHRP INCHES ZHRP	SCN NO.	×	300.400	300.250	300.310	300.420	300.390	230,470	300.450	300.530	300.530	300.460	RUN NO.	×	600.490	600.440	600.540	630.480	600,490	600.630	600.700	600.520	600.430	600.470	RUN NO.	×	900 . 750	900.670	900.780	900.650	900.740	900.640	900.530	900.930	900.830	900.090
REFER	2650.0000 1290.3000 1290.000																																				
	SREF LREF BREF SCALE																																				

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_	10 (31 ML	: DATA	PTOTAL = BETA = 09ETA = PCHMBR =																								
	(RTJ131)	PARAMETRIC DATA	4,530 .000 -5 000 400.000		5	77171.	. 17143	.17136	17119	.17063	.17102	.17131	.17129	17141	. 17127			17159	07171	17124	51171.	.17105	17 141	17146	12134	54171	17131
			ALPHA -		<b>6</b>	₩0000	00013	00022	00023	. 00006	. 00062	. 00062	.00063	.00062	.00062		Ē	0000B	00015	90000	.00055	.00062	.00063	.00052	.00063	.00063	.00063
	ROM 09110				C	60000.	.00003	000ce	₹2000	00059	0009B	66000	66000'-	66000	00098		N.	- 00007	00021	00056	+6000.−	00099	00100	00098	00100	00100	00100
	EPARATING F				ຣ	00116	00108	<b>+6</b> 000.∼	<b>6</b> 2000	0004 <b>6</b>	00005	00005	00002	00003	00007		ò	£6000	00082	5+000	00010	00005	≥0000.	00001	10000.	0000 <b>2</b>	€00000.
	IAI3 SRBISB) W/O PLUMES SEPARATING FROM 09T10			6.63	r <sub>1</sub>	.03178	.03135	.03118	.03124	.03190	.03323	.03326	.03325	.03329	.03327	6.63	ij	.03169	.03153	.03203	.03308	.03320	.03326	.03329	.03326	.03327	.03325
<u> </u>	3 SRB158) H		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L	Š	06409	66353	06342	06397	0544 <b>6</b>	06603	06507	06605	06615	06810	RN/L	Š	06407	06397	19+90	05586	06596	06609	06513	06608	06603	06610
A13 SOURCE DATA	IAI		• • •	RUN NO. 410/ 0	2	106	<b>49.8</b> 86	100.010	150.010	199.990	300.190	400.310	600.140	795.910	939.980	RUN NO. 408/ 0	Z	175	50.258	100.260	150.130	200.020	300.040	399.860	599.580	799.550	959.740
EIV:		REFERENCE DATA	Q.FT. XHRP NCHES YHRP NCHES ZHRP	2	×	.178	.117	671.	198	. 260	£0.43	. 260	.283	. 155	9+B.	PUN NO	×	300.370	300.350	300.390	300.520	300.370	300.410	300.400	300.420	300.380	300.470
EC 00.		REFERE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES																								
DATE 02 AUG 75			SPEF BREF SCALE																								

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CA 17118 17122 17131 17135 17120 17127 17135 17135 17135

CBL .00012 .00063 .00063 .00063 .00063 .00063

-00057 -00057 -00096 -00099 -00100 -00100 -00100

.03215 .03317 .03324 .03324 .03324 .03324 .03322 .03322

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X 600.510 600.440 600.470 600.450 600.540 600.540 600.540

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	Ξ												ੜ		Ē						
DATA	PTOTAL • BETA • DBETA •												2) (31 JUL 75	DATA	PTOTAL -	D867A - PCH48R -					
PARAMETRIC DATA	4.530 .000 -5.000 400.000		Š	75171.	17137	.17129	.17137	91171.	17144	.17125	¥171.	. 17123	(RTJ132)	PARAMETRIC DATA	4.530 .000	-5.000 800.000		CA .17129		CA . 17132	
	KACH ALPHA DALPHA T		ce Tes	.00063	50000	.00063	.00063	.00063	.00063	.00063	.00063	.00063			MACH .	DALPHA •		. Or 74		CBL.	
			CA	96000'-	10100	00100	00100	00100	00100	00100	00100	00100	ROM 09710					CYN 00099		CYN 00101	
			Շ	-,00003	70000	.00002	.00000	00000.	00001	10000.	00002	00000.	IAI3 SABISB) W/O PLUMES SEPARATING FROM 09110					د۲ 00004		CY .00001	
		6.63	CLM	.03322	03360	.03322	.03324	.03322	.03326	.03323	.03322	.03322	/O PLUMES SA				6.63	CLM .03329	6.63	CLM .03330	<b>.</b>
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L -	8	06598	06608	05599	08601	~.06596	08605	05601	06557	06597	H (85)885 E		1052.0000 IN. XT.	0000 IN. 2T	PN/L -	CN 08631	RN/L .	CN 06631	PRV/L
		0 /904 .	2	.00≥	50.373	150.350	200.270	300.110	399.810	599.690	799.200	999.460	IAI			447.0000	. 413/ 0	2 800.120	0 /5/5 .	2 800.000	0 /614 .
DATA	X 7489	75 76		900.600	900.710	900.670	900.760	900.750	900.650	617.006	900.670	900.760		ATA	A A A	23486	<b>3 3 6 9 9 9 9 9 9 9 9 9 9</b>	.330	FUN NO.	300.400	RUN MD.
J.	IO.FT. NCHES NCHES		×	8	6	006	6	90	90	306	906	906		), MCE	D. FT.	NCHES WCHES		×		300	
REFERENCE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES													REFERENCE DATA	2690.0000 SQ.FT.	1290.3000 INCHES					
																• • •					
	SPEF LREF BREF SCALE														<b>38</b> 1787	BREF					

CA . 17132

CBL . 00063

CYN -.00100

CY -.00001

CLM .03329

CN -. 06630

x Z 800.010

6.63

FN/L

RUN MO. 416/ 0

CA . 17141

CBL .00063

CYN -.00100

CY .00000

CLM . 03332

CN -.06637

x 2 800.500 799.830

### 1A13 SPBISB) W/O PLUMES SEPARATING FROM 09T10

		2	113 588(58)	1A13 SPBISB) W/O PLUMES SEPARATING FROM 09110	SEPARATING F	ROM 09T10		(ATJ)	(RTJ133) (31 JUL 75	L 75 )
REFERE	REFERENCE DATA							PARAMETRIC DATA	: DATA	
SPEF = 2690.0000 SQ.FT. LPEF = 1290.3000 INCHES BPEF = 1290.3000 INCHES SCALE = .0100		XHRP = 1056 YHRP = 447	. 1052.0000 IN. XT .0000 IN. YT	<b>E</b> FE			MACH ALPHA OALPHA Y	4.530 .000 -10.000 800.000	PTOTAL = BETA = DBETA = PCHMBR =	000.011
	3	RUN NO. 417/ 0	RN/L .	6.63						
	, 1.361	2 802.160	CN 06627	CLM .03328	CY 00008	CYN 00099	CBL .00063	CA .17134		
	\$	RUN NO. 418/ 0	RN/L -	6.63						
	X 300.350	2 789.960	CN -,08834	CLM .03331	CY 00004	CYN 00099	CBL .00062	CA . 17138		
	RUN NO.	O. 419/ 0	RN/L .	6.63						
	800.440	2 800.070	CN 06629	CLM .03330	CY 00002	CYN 00099	CBL . 00062	CA . 17139		
	P. S. S. S. S. S. S. S. S. S. S. S. S. S.	RUN NO. 420/ 0	FN/L	6.63						
	× 900.680	2 079.997	CN 08634	CLM .03331	CY 00002	CYN	CBL .00063	CA . 17144		

(RTJ134) (31 JUL 75 )

### 1A13 BAB(SB) M/O PLUMES SEPANATING FROM OFFICE

	000.011																																				
DATA	PTOTAL • BETA • DBETA • PCHMBR •																																				
FARAMETRIC DATA	4,530 .000 -10,000 400,000		ర	. 17220	.17185	17158	. 17138	. 17100	.17089	.17126	. 17131	.17136	.17129		<b>5</b>	17204	.17164	17148	.17120	17119	17110	17128	.17134	. 17133	1709		ర	17141	.17131	71171.	17131	17129	17119	. 17122	. 17130	37171.	74171.
	HACH ALPHA BOALPHA T		<b>8</b>	90000	000 <b>32</b>	00054	- 00029	00037	.00062	.00062	. 00062	. 00063	.00061		9	00026	0,000	00358	£1000°	.00081	.00063	.00063	.00063	.00062	.00063		룡	00017	.00029	19000	19000.	₹9000.	.00063	.0006 <b>2</b>	. 00062	.00063	.00063
			C	.00058	.00073	. 00053	. 00020	00020	86000'-	66000	66000	00099	8600ó·-		CYN	75000.	61000	-, 000 tg	00066	76000 -	00100	00100	- 000099	00100	00099		C	0003	5,000	00097	₽6000'-	66000	00100	00100	<b>6</b> 6000 · -	00100	00100
			Շ	60162	00179	60157	-,00122	00000	00005	+00000.−	+00000.−	00002	₹0000		Շ	- 00138	00123	00088	54000°-	- 00007	10000	00002	00001	00002	<b>2</b> 0000.		ک	00085	00036	00011	60000	+00000	00001	00001	10000.	10000	00001
		6.63	£	.03197	. 03092	.03039	.03036	.03003	.03324	.03326	.03328	.03327	.03329	6.63	£ 5	24140	£0150	12120	PCCF.O.	ACTEU	03323	.03324	.03327	.03328	.03320	6.63	F10	.03162	.03261	.03325	.03327	.03327	.03325	.03327	.03328	. 03330	.03329
	052,0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN.L . 0	8	06443	06308	06246	-,06257	08337	05617	05623	06524	06620	05628	RN/L • 0	Z	10530	64500.	- 05.192	- 06507		- 06618	1050.	- 05619	06626	05610	RN/L	ë	06423	06548	06622	06619	05620	05619	06522	05625	05629	06628
	1032.0000 .0000 .447.0000	421/0	7	.038	50.000	506.66	150,030	200.100	300.020	400.450	600.210	800.080	002.200	RUN NO. 422/ 0	•	90.		30.335	000.001	0.5	300.310	399 950	599.600	799.710	999, 720	. 423/ 0	2	- 142	49.977	100.080	150.150	200.300	300.300	400.540	500.630	800.800	1000.300
CE DATA	ACHES YHRP	RGN NO.	×	.110	.078	108	.203	<b>₽0</b> ₽.	25.	588	588	.203	1.311	P. N.	>	1	300.030	001.001	000.000	000	300.310	000.000	300.310	300,260	300.280	RUN NO.	<b>&gt;</b>	600.430	600.450	600.410	600.450	800.390	600.490	600.520	600.630	600,700	600.570
REFERENCE	2690.0000 60.FT. 1290.3000 INCHES 1290.3000 INCHES																																				
	SAEF • BREF • SCALE •																																				

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### IAI3 SOURCE DATA

### PAGE 219

(RTJ134) (31 JUL 75 )

### 1A13 SRB(SB) W/O PLUMES SEPARATING FROM 09710

	110.000	000	000	000
C DATA	PTOTAL	BETA	DBETA	PCHHBR
PARAMETRIC DATA	- 4.530 PTOTAL - 110.000	000	-10.000	<b>400</b> .000
	MACH	ALPHA -	DALPHA -	• >
	- 1052.0000 IN. XT	.0000 IN. YT	ZHRP - 447.0000 IN. ZT	
	•	•	•	
¥.	XMRR	YHRP	ZHRP	
REFERENCE DATA	SQ.FT.	1290.3000 INCHES	INCHES	.0100
	•	•		
	39 39 39	LAEF		

### RUN NO. 424/ 0 PN/L = 6.63

۲	.17125	. 17130	. 17129	17119	.17132	.17133	.17108	.171.32	.17110	50
<b>1</b>	19000	19000	.00062	29000	.00062	.0005 <b>2</b>	.00062	.00062	.00062	63000
Č	00097	96000'-	00099	0009B	00098	00099	66000'-	<b>-</b> .0003 <b>8</b>	00099	90000
ځ	<b>B</b> 0000 -	00008	00006	70000	00206	50006	00003	0000B	00005	F 0000
כרי	.03326	.0.5327	.03327	.03326	.03327	.03327	.03324	.03329	.03324	02120
3	06618	06623	₹990	05620	06523	05524	06615	06628	05619	06930
7	.781	50.495	100.550	150.590	200.510	306.090	399.590	599,250	799.450	000
ж	900.820	300.720	300.730	900.810	900.800	900.770	057.006	800.620	00.006	075 000

### 1A13 SPB(SB) W/O PLUMES SEPARATING FROM 09710

REFERENCE DATA

### PARAMETRIC DATA

(RTJ135) (31 JUL 75 )

110.000	000	000								
PT0TAL •	DB€ TA ■	PCH:188								
4.530	-10.000	000		ర	.17367	. 17432	91071.	. 17029	.17103	517132
MACH .	DALPHA .	• -		න්	00468	子子200	.00089	17000.	.00052	.00051
				CYN	20600.	.01107	.00877	.00021	<b>6</b> 6000'-	-,00098
				Շ	03809	03588	02148	00152	00004	00011
			<b>8</b> .62	<b>נרא</b>	.01705	.01800	.02281	.03011	.03323	.03327
1052.0000 IN. XT	0000 IN. 21		RN/L	ક	03989	03263	04293	06198	06618	0662
			. 425/ 0	2	200.300	299.990	402.780	601.120	901.070	1002.500
S YARR			PCN NO.	×	315	<b>&amp;</b> ≥.	<b>98</b>	LL4.	<b>8</b> 2.	<b>3</b> 69.
SO.FT	WCH.									
7690.0000 SQ.FT. 1250 3000 INCHES	1290.3000	.0100								
SAEF.		SCALE •								

(31 JUL 75 )

(RTJ) 35)

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SREF ... LREF ... BAEF ... SCALE ...

09710
PROM O
T NO F
SEPARA
PLUMES
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588 (58)
IA13

	000.011																										
DATA	PTOTAL - BETA - DBETA - PCHMBR -																										
PARAMETRIC DATA	4.530 .000 -10.000		ర	. 17399	¥1271.	50171	17039	.17026	.17162	. 17125		క	.17138	5517	. 17010	. 17027	11171.	17121	.17138		3	.17042	.17020	17057	.17129	.17122	.17125
	MACH ALPHA DALPHA T		CBL	+6900 -	00485	00000	.00123	19000.	£3000°.	.00351		SP	00108	.00076	60100	€8000.	. 00061	.00062	. 00061		CB.	001100	.00076	.00061	. 00062	.00061	.000 <b>62</b>
			CYN	.01126	00110.	80110. 88900	.00738	B6000	66000	96000'-		C S	.01133	01040	.00620	.00291	96000	00098	00097		N.	.00706	.00166	66000	00099	00099	00100
			ζ	03074	02980	#5660 =	01552	00010	00006	£1000°-		Շ	. 02333	02045	01165	00559	00010	00009	00012		Շ	01156	00353	00007	00003	+00000.−	00001
		6.62	S.	86900	01360	28910.	. 02327	.03317	.03322	.03328	<b>6</b> .62	C.H	.02079	.02684	. 02691	.02735	.03330	.03329	.03329	6.62	C C	. 02859	/ 0020.	.03320	.03328	.03324	.03323
	1052,0000 IN. XT .0000 IN. YT 447,0000 IN. ZT	RN/L	8	03339	03947	1,04134	04660	06508	06611	06628	PN/L	Š	04931	05537	-,05559	05784	- 06630	06628	06629	RN/L .	Š	B+650	06215	06625	06532	06529	06625
	1052	RUN NO. 427/ 0	2	100.610	150.560	300 - 60	401.420	601.270	801.226	1005.5001	RUN NO. 429/ 0	2	150.810	200.930	299.560	400.290	601.860	801.210	1003.300	RUN NO. 432/ 0	2	200.810	299.810	400.170	600.160	801.220	1003.700
REFERENCE DATA	SQ.FT. XHSP INCHES YHRP INCHES ZHRP	<b>3</b>	×	300,490	300.490	306.410	300.470	300.640	300.670	301.710	P.C. N.	×	600.610	600.680	600.460	600.513	600.920	600.750	601.810	PCF NG	×	900.830	930.620	900,650	900.670	831.000	902.100
REFER	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES																										

IAI3 SOURCE DATA DATE OF AUC 75

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1A13 SPB(SB) H/O PLUMES SEPARATING FROM 09T;0

£ ( 31 JUE (RTJ136)

	000.011																												
: DATA	PTOTAL BETA BETA PCHMBR B																												
PARAMETRIC DATA	4.530 .000 -10.000 200.000		5	.17285	17092	75171.	17124	.17125		₹	17404	.17269	.17164	.17023	.17069	. 17114	.17123	.17131		5	1232	17139	6107.1	17036	.17048	47071	17134	.17139	17121
	HACH ALPHA DALPHA Y		CBL	00358	1,000	29000°	C0062	.00062		<b>8</b>	00328	00356	00315	.00105	.00062	.00062	19000.	.00051		ø	00300	00253	00037	.000080	.00065	.00052	.0006 <b>2</b>	.0506 <b>2</b>	19000
			CYN	.01316	37800.	96000'-	85000	66000		CAN	.01313	.01308	.01157	.00597	00087	00100	€500 <b>0</b> 1~	00097		CYN	.00561	18700.	00325	.00231	00054	00099	00100	+.00100	86000
			Շ	02298	- 07589	50000	00008	00002		Շ	02241	02200	64610'-	01013	00021	00003	-,00008	00007		č	00822	60744	00569	-, 00444	00052	E0000'-	0000≥	0000 <b>2</b>	00006
		6.63	נר <b>א</b>	<b>26</b> ,10.	103003	.03328	.03326	.03326	6.63	C.	.01646	16410.	.01589	. 02929	.03315	.03325	.03328	.03330	6.63	g. €	.02179	.02327	.02893	.03199	.03289	.03320	.03325	.03328	.03330
	1052-0000 IN. XT .0000 IN. YT 447-0000 IN. ZT	RN/L	ર	04157	05:56	-,06629	05620	05622	RN/L .	8	04392	04193	04370	05046	06609	05620	05620	^.529	RN/L .	ક	05208	+1500·	06110	06468	06581	36623	05622	05634	- 05632
		). 428/ 0	2	200.200	399.820	599.100	799.310	899.350	RUN NO. 428/ 0	7	102.030	150.530	200.490	300.130	399.550	599.020	799.200	939.150	. 430/ 0	Z	50.373	100.390	150.090	198.950	298.620	401.270	601.010	901,010	005.800
REFFICINCE DATA	SQ.FT. XHRP INCHES YHRP INCHES ZHRP	25 25 30 30	×	. 220 220	802.	.055	611.	ۂ.	RUN NO	×	300.650	300.440	300.360	300.300	306.250	300.220	300.290	300.290	A NO.	×	600.570	600.610	600.580	600.460	600.330	600,870	600.720		601.8 <b>4</b> 0 1
REFF	• 2690.0000 • 1290.3000 • 1290.3000																												
	SPEF LPEF 3PEF SCALE																												

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(RTJ136) (31 JUL 75 )

PARAMETRIC DATA	MACH - 4.530 PTOTAL - 110.000 ALPHA000 BETA000 DALPHA10.000 DEETA000 Y	
REFERENCE DATA	SAEF = 2690.0000 SQ.FT. XM4P = 1052.0000 IN. XT LAEF = 1290.3000 INCHES YMRP = .0000 IN. YT SAEF = 1280.3000 INCHES ZMRP = 447.0000 IN. ZT SCALE = .0100	RUN NO. 431/ 0 RN/L = 6.63

	<b>5</b>	.1710	. 17045	. 17062	17089	.17082	.17106	17128	. 17133	17134	14171
	ස්	00261	.00002	.00061	.00061	.00061	.00062	. 00061	.00061	.00062	.00062
	CAN	. 00025	00088	-,00098	-, 00099	-, 00099	-,00099	66000'-	-,00098	<b>6</b> 6000	00101
	Շ	00144	00028	00011	00003	00003	00005	00003	00006	0000 1	00001
3	<u>م</u>	.02500	17150.	.03322	.03325	.03322	.03323	.03324	.03327	.03327	.03326
	8	05658	06472	-,06639	- 06534	06633	-,06632	-,06628	06638	06636	06632
J. 431/ U	7		50.336	100.310	096	202.021	06- 602	397,980	601.510	960.990	1003.300
	>	מלל מויס	900.500	900.650	900.000	900.000	900.006	900.006	900 950	900.970	901.950

# IAI3 SRB(SB: W/O PLUMES SEPARATING FROM 09110

(RTJ137) ( 31 JAL 75 )

PARAMETRIC DATA	MACH - 4.530 PT01AL - ALPHA000 BETA000 BETA20.000 DBETA
REFERENCE DATA	SPEF = 2690.0000 SQ.FT. XHRP = 1052.0000 IN. XT LREF = 1290.3000 INCHES YHRP = .0000 IN. YT BREF = 1290.3000 INCHES ZHRP = 447.0000 IN. ZT SCALE = .0100

000.011

Š	03154 03154	5150 50000. 518		۲	00897	2330000300100	<b>3</b> 0000 .		3020000600096 3240000200101 329 .0000100101
		06636 .03312	RN/L = 6.63			06828 .03233		RN/L - 6.63	CN CLM 06627 .03302 05624 .03324 05813 .03319
2	601.940	.540 801.660 - .039 899.780 -	RUN ND. +34/ 0	*	399.850	300.110 799.170 -	999.2+0	RUN NO. 435/ 0	x 2 600.700 601.080 70.900 801.210 - 000.600

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DATE OF AUG 75	E Y	AI3 SOURCE DATA	DATA 1413 SABISB) H/O PLUMES SEPARATING FROM ORTIO	S SEMES :	KPARATING F	TOM 09110		(RTJ137)	ñ	PAOE 223
PEFERENCE DATA SPEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES SCALE = .0100	X X MARP X MARP Z MARP	• • •	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZI				MACH ALPHA COALPHA T	PARAMETRIC DATA ".530 PTOT .000 BETA .000 PCHH	C DATA PTOTAL - BETA - OBETA - PCHMBR -	000.000.000
RUN X 899: 730 901.3:0	730 NO.	2 597.720 802.060 999.100	CN 06626 06615 06609	6.63 CLM .03322 .03321	. 00003	C3N 00108 00100	. 00063 . 00062	CA 1709 1715		
PEFERENCE DATA	. ₹	<u> </u>	IAI3 SRB(SB) W/O PLUMES SEPARATING FROM U9TIO	/o PLUMES S	EPARATING C	01160 منع		(RTJ138) PARAMETRIC DATA	~	31 JAL 75 3
SAEF = 2690.0000 SQ.FT. LAEF = 1290.3000 INCHES BREF = 1290.3030 INCHES SCALE = .0100	X 1489 7 1489 2 1489	• • •	1052.0000 IN. XT. .0000 IN. YT.				MACH ALPHA SALPHA	4.530 .000 -20.000	PTOTAL • BETA • DBETA •	000.011
78.7 × × 0.50.7 × 0.33	ACN NO.	2 599.690 799.690 999.690	CN 06407 06627	6.63 CLM .03103 .03274	CY 00233 .00000	CYN . 00081 50101 00102	CB. . 00073 . 00062	CA . 16648 . 16841		
X X 300.640 300.750 300.750	AUN NO.	2 601.120 801.260 999.580	PN/L - CN CN - 065990561405614	6.63 CLM .03237 .03321	CY 00013 00002 00001	CYN 00097 00100	CBL .00061 .00062	CA .16730 .17120 .17124		
RUN X 600.080 600.050	7CN NO. 250	. 438/ 0 2 599.370 798.940 899.320	RN/L = CN	6.63 CLM .03323 .03323	00002 00003	00100	CBC . 00061 . 00062 . 00062	CA .17126 .17130		

X 900.990 900.990 900.460

CA .17109 .17129 .17130

CBL .03052 .00062

CYN -.00100 -.00100

-.00002 -.00007 -.00007

.03318 .03322 .03322

CN -.06610 -.5617 -......

2 601.970 801.200 973.690

RUN NO. 437/ 0

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(RTJ139) (31

### 000.011 000.011 K (RTJ140) ( 31 JAL BETA -DBCTA -PCHMBR --PTOTAL . PTOTAL PCH488 DBETA PARAMETRIC DATA PARAMETRIC DATA 4.530 .000 -20.000 400.000 .1712. .1718. CA .17118 .17093 .17121 CA . 17121 CA .17125 .17119 .17112 11171. . 530 -20.000 800.000 .17105 . 17130 MACH ... ALPHA ... DALPHA ... Y MACH ALPHA -CBL .00061 .00061 .03062 .00061 .00061 .00061 CBL .00061 .00061 .00051 CBL .00061 .00061 CBL. CYN -.00099 -.00100 -.00100 CYN -.01099 -.00098 CYN -.00100 -.00098 -.00130 CYN -, 00098 -, 00100 -, 00100 CYN -. 00098 IAI3 SPB(SB) M/O PLUPES SEPARATING FROM 09T10 -.00008 -.00004 -.00002 CY -.00008 -.00005 -.00006 -.00003 .00002 CY -.00008 Շ CLM .03322 .03324 .03316 CLM .03319 .03320 .03320 .03319 CLM .03318 .03323 CLM .03324 6.63 6.63 6.63 6.63 6.63 - 1052.0000 IN. X1 - 0000 IN. YT - 447.0000 IN. ZT - 1052.0000 IN. XT - 0000 IN. YT - 447.0000 IN. ZT CN -.06612 -.06605 -.06605 -.06605 -.06607 -.06618 . 7 K -.06615 -.05622 -.06622 FR/L . N. . \* ~.06612 -.06612 - 1/XE - 06621 3 Š Š RUN NO. 1417 0 2 601.040 801.063 1000.600 **2** 600.670 800.750 999.220 RUN NO. 442/ 0 2 601.080 799.600 RUN NO. 443/ 0 0 /377 500.980 799.180 999.360 0 **2** 799.870 999.410 ) T YMRP ZMRP RCN NO. Fr KO 300.510 300.110 300.100 .358 900.850 900.280 900.390 -.018 600.700 600.780 800.610 -,157 REFERENCE DATA REFERENCE DATA SREF = 2890.0000 SQ.FT. LIZEF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE :: .0100 SPEF = 2890.0000 SQ.FT. LPEF = 1290.3000 INCHES BPEF = 1290.3000 INCHES SCALE = .0100

DATE 02	DATE OF AUG 75	[A13	1A13 SOURCE DATA							PAGE	X: 225
			1413	IAI3 SABISB) M/D PLUMES SEPARATING FROM OBTIO	O PLUMES SE	PARATING FI	ROM 00710		(RTJ)+0)	0) (31 JUL	ر 15 با
	REFERENCE DATA	DATA							PARAMETRIC DATA	: DATA	
SPEF LREF BREF SCALE	2690.0000 SG.FT. 1290.3000 INCHES 1290.3000 INCHES	T. XMRP ES YMRP ES ZMRP	-	052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA OALPHA Y	4.530 .000 -20.000 800.000	PTOTAL BETA BETA PCHEBR B	000.011
		PUN NO.	0 /944 .0	RN/L	6.63						
		X 300.410	2 800.280	CN 06618	CLM .03323	CY 00007	CYN 00093	CBL .00062	CA .17128		
		2 2 2 3	0 /244	RN/L -	6.63						
	y	X 600.540	<b>2</b> 800.380	cN 06619	CLM .03324	CY 00011	CYN 00097	CBL . C0061	CA .17129		
		RON NO.	3 /84h C	RN/L -	6.63						
	יני	× 900.580	Z 800.350	CN 06620	CLM .03323	CY 00009	C. N 00098	CBL . 05061	A		
			1413	1A13 SRB(SB) H/O PLUMES SEPARATING FROM 09T10	0 PLUMES SE	PARATING FF	ROM 09T10		(RTJ141)	1) (31 JUL 75	ر 25 ،
	REFERENCE DATA	DATA							PARAMETRIC	DATA	
5867 • 1867 • 1867	2690.0000 SQ.FT, 1290.3000 INCHES 1290.3000 INCHES	1. XXXXX ES YYRP ES ZYKP	5501 •	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH -	000.	PT0TAL = BETA = CGETA = C	.000 5.000
3		75 50	0 /655 .	RN/L	<b>8</b> .62			-			2
		×	2	ક	נר <b>י</b>	Շ	<b>Z</b>	턴	5		
		<u>\$</u>	175.	06776	.03386	00786	00236	00020	97371.		
		151	50.06	06710	.03387	00767	00206	11000	# F .		
		. 305 . 405 	99.767	30300. 10100.	.03291	5 40 0 c -	2 - 00 · ·	- 0003 <b>6</b>	74.36		
		53.5 33.0	200.170	05618	.02909	01250	. 00065	00144	17537		
		.237	299.950	04912	.02529	01277	. 00230	00123	15471.		
		715.	+01.320	05882	.02918	00538	¥1500.	. 00098	17258		
		91.≤.	609.840 608.640	06668	.03336	50000	00093	. 00062	.17326		
		.321	600.030 1000.100	05554	.03332	61000.	86000'-	<b>5</b> 9000.	17338		
									)		

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(RTJ141) ( 31 JUL 75 )

## 1413 SRB(SB) M/O PLUMES SEPARATING FROM 08110

PARAMETRIC DATA	HACH - 4.530 PYOTAL - 110.000 ALPHA000 BETA000 DALPHA000 DEETA - 5.000 Y
PEFFERENCE DATA	

	8 4 5 5 8 8 5 8 8 8 8 8 8 8 8 8 8 8 8 8
	CA 17329 17384 17384 17287 17298 17345 17345 17339
	CBL 00066 .00070 .00092 .00092 .00062 .00062 .00063
	CYN .00539 .00516 .00500 .00500 .00230 00035 00094
	CV 00948 00920 00713 00422 .00008 .00009 .00009
6.62	CLM .02613 .03126 .03165 .03091 .03345 .03348 .03348
F8/1	CN - 05865 . 06423 06412 06323 06341 06341 06690 06690 06696 06696
. 452/ 0	2 .130 +9.905 100.370 150.620 200.580 300.590 900.093 900.900
PUN NO.	900.530 900.730 900.720 900.720 900.630 900.630 900.610 900.620 900.690

# IA13 SRB(SB) 4/0 PLUMES SEPARATING FROM 09110

(RTJ142) (31 JUL 75 )

DATA	PTOTAL * BCTA * DBETA * PCH*BR *
PARAMETRIC DATA	6.530 .000. .000
	PACH ALPHA - DALPHA -
	X
	- 1052 0000 IN. XT .0000 'N. YT
	X2489 • 21489 • 21489 •
NCE DATA	
PEFERENCE	2890.0000 SQ.FT. 1290.3000 INCHES 1290.2000 INCHES
	SPEF BPREF SCALE

	. 17448 . 17417 . 17417 . 17417 . 17381 . 17389 . 17389	
	CBL .00004 .00011 .00042 .00091 .00095 .00065 .00063	
	CYN .00606 .00497 .00410 .00410 .00167 00048 00097 00096	
6.63	CLM .03129 .03008 .02763 .02763 .03763 .03139 .03333	
• 1/N3	CN 	
0. 450/ 0	2 - 829 50 - 402 100 - 240 150 - 260 200 - 150 349 - 830 559 - 360 800 - 000	
FUN NO.	× 52:1 52:1 54:1 55:1	

PAGE 227	(31 JUL 75 )		110.000 .000 5.000											R. 75 .		110.000	000	000.											
à .		DATA	PTOTAL BETA BETA PCHMBR B											(3) (3) JAN.	DATA	PTOTAL -	BETA	PCHMBR .											
	(RTJ142)	PARAMETRIC DATA	4,530 .000 .000 .000		CA .17310	.17324	17311	17331	.17336	.17327	. 17348	. 17338	.17342	(RTJ143)	PARAMETRIC DATA	4.530	000	000.00+		5	177.	. 17361	1777	17304	.17320	.17329	17327	. 17337	. 17340
			MACH ALPHA DALPHA Y		CBL .00037	≎9000.	. 00062	.00062	.00062	.00062	.00062	.00082	. 00062			• HACH		0AL°HA Y		8	₩2000.	01000.	6,000	.00055	.00062	.00062	.00062	.00062	.00062
	ROM 09710				CYN 00090	00095	+6000	96000	00095	00096	-,00095	00096	+6000.−	ROM 09110						S.	00033	00030	19000 -	06000	00096	96000	00098	96000	96000 -
	IAI3 SABISB) W/O PLUMES SEPARATING FROM OPTIO				CY . 00000	11000.	01000	.00015	01000.	.30013	01000.	-1000.	01000.	IA13 SRB(58) W/O PLUMES SEPARATING FROM 09710						5	00051	00052	66000 -	90000	. 00014	11000.	#1000.	£:000.	21000.
	1/0 PLUMES S			6.63	CLM .03285	. 03348	.03346	.03347	.03347	.03345	.03351	.03347	.03347	/O PLUMES S					6.63	5	.03239	.03213	25.55 25.55	934.4	.03330	.03329	.03331	.03331	.03332
*	3 SAB(SB) H		1052 0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	FBV/L -	CN 05627	05692	- 06689	06647	06688	06679	-, 06695	06688	06686	3 SPB(58) H				447.0000 IN. ZI	RN/L .	8	06542	06512	- 06559	06643	06664	06656	06565	06662	ubt. /
IAI3 SOURCE DATA	141			C. 453/ 0	7 826	49.854	99.874	199.900	300.090	400.740	600.860	798.940	999.510	Ĭ.		• 1052		•	). 451/ 0	2	003	49.985	149,950	193.950	300.040	400.079	599.660	799.930	1000.0001
1413		REFERENCE DATA	2690.0000 SQ.FT. XHBP 1290.3000 INCHES YHRP 1290.3000 INCHES ZHRP ,0160	RUN NG.	X 900.500	900.610	900.680	900.570	900.690	900.570	900.580	900.670	900.570		RTERENCE DATA			J INCHES ZIMP	RUN NO.	×	.117	.203	600	₹.	.176	901.	0.570	961.	. 69.
DATE 02 AUG 75		PEF	• 2690.0000 • 1290.3000 • 1290.3000												e e	- 2690.0000 SQ.FT.	• 1290,3000 INCHES	- 1290,3000 INCHES											
DATE (			SREF LREF BREF SCALE													395		SCALE											

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DATE

## IA13 SOURCE DATA

## ROM OUT 10 1A13 SRB(SB) W/C PLUMES SEPARAT"

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(RTJ143)	

PARAMETRIC DATA	

110.000	000.	5.000	000.
PTOTAL -	BETA .	DBET:	PCHHBR *
4.530	000	000.	400,000
•	•		u
MACH	ALPHA	DALPHA	

### 6.63 FN/L . RUN NO. 4347 0

- 1052.0006 IN. XT .0000 IN. YT - 447.0000 IN. ZT

4842 4840 4840

SREF = 2890.0000 53.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100

REFERENCE DATA

×	2	8	r S	Շ	CYN	<b></b>	čy
30.880	247	08653	.03325	.00006	+6000.≈	.00061	. 17289
00.600	49.769	06641	.03322	.00007	00093	.00061	. 17273
30.650	717.66	06650	. 03326	60000	₹6000	.00061	.17297
009.00	149.720	06640	.03321	.000.	₹6000	.00062	17278
00.590	199.780	06643	. 03322	. 00010	+6000°-	.00061	.17286
00.570	300.210	06643	.03323	51000.	₹6000	<b>29000</b> .	.17295
0.640	400.370	06647	. 03325	.00013	00095	19000.	. 17293
900.620	600,420	08653	. ^3328	51000.	00095	. 00062	.17305
00.640	800.120	06642	.03323	.00015	-,00095	.00061	. 17282
00.650	1000.000	06642	.03322	51000	-,00095	19000	17282

# 1A13 SRB(SB) M/O PLUMES SEPARATING FROM 09110

## PARAMETRIC DATA

(RTJ144) (31 JUL 75 )

110.000	.000	-5.000	000.
PTOTAL .	BETA .	DBETA -	PCHEMBR .
4.530	000.	000.	200.000
			•
ACH	ALPHA	DALPHA	>-

REFERENCE DATA

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.0000	.0000 IN. YT	<u>ي</u> د	
5		*	
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œ X	A MASO	ZHE	
50.FT.	INCHES	INCHES	
000	000	000	00
2660.0	1290.3000	1290.3	
•	•	•	•
3			w

### FN/L . 6.62 RUN NO. 455/ 0

17436 17436 17431 17315 17254 17278 17278 17286

IA13 SOURCE DATA

DATE OF AUG 75

PAGE 229

110.000 .000 -5.000 (RTJ144) (31 JUL 75.) BETA -DBETA -PCHMBR --PARAMETRIC DATA , 000 , 000 , 000 200, 000 MACH ALPHA DALPHA T 1A13 SRB(SB) W/O PLUMES SEPARATING FROM 09T10 - 1052.0000 IN. XT .0000 IN. YT - 447.3000 IN. ZT REFERENCE DATA SREF = 2090.0000 SO.FT. LREF = 1290.3000 INCHES BPEF = 1290.3000 INCHES SCALE = .0100

### 6.62 PN/L • RUN NO. 458/ 0

3
05490 .02486
04482
-,05250
05119
-, 06628
06632
06645
06639
RN/L = 6.82
CN
0559
1055

×	7	Š	r U	Շ	CXN	8	ర
600.570	. 163	0559	16%0.	+0600	.00612	00150	.17364
500.460	50.023	0556	. 02435	00839	.00556	00189	. 17291
500.490	100.050	08205	.02954	00564	00400	.00007	17216
500.470	149.930	06444	.03169	00526	.00302	⊁8000°.	. 1720
300.380	189.410	06453	.03177	00354	.00178	.00076	.17183
500.290	299.040	0664 <b>6</b>	.03326	\$1000.	00098	.00061	. 1723(
500.730	400.660	06620	.03315	£6000°	00093	.00061	17231
500.570	600.470	05638	.03322	90000.	00093	.00061	.1727
500.650	800.530	06640	.03323	. 90007	₹5000	.00061	17281
00.030	999.990	06540	.03324	<b>5</b> 0000.	+6000.−	.00061	17286

### RN/L = 6.62 RUN NO. 458/ 0

Š	CL.	Շ	CAN	CBL	5
06495	.03181	00007	98000	60000.	.17187
06539	.03318	00000	₹6000	.00061	17138
06640	.03318	60000.	£6000·-	.00061	.17204
05633	.03318	.00010	<b>≯</b> 6000`-	.00061	. 17235
-· 05648	.03325	01000.	00095	.00061	17271.
06636	.03321	S1000.	00094	.00060	.17268
06638	. 63722	.00000	+6000.−	.00051	17271.
₹.06624	.033;9	60000.	₹6000	.00061	.17273
See3C	.03321	90000.	+6000.−	.00051	17284
36639	16210	0000	.0000		01001

+4

(RTJ145) (31 JUL 75 )

## 1A13 SRB(SB) H/O PLUMES SEPARATING FROM 09TIO

	000.011	-5.000	000.																																				
DATA	• •		PCHHBR =																																				
PARAMETRIC DATA	4.530 .000	000	700.000		ర	.17321	.17314	.17250	. 17258	.17215	.17250	. 17287	.17281	.17270	. 17270		3	. 17331	ETST1.	17247	.17256	17278	17271.	.17276	:17271.	17271.	.17285		5	17258	.17255	.17275	.17265	. 17261	17277	. 17280	1724	97571	.17262
	MACH -	DALPHA .	• >		<b>18</b> 5	9+000	00022	00029	00024	. 00019	.00061	.00060	.00060	.00060	. 00060		CBL	00033	00026	. 0001	.00050	.00061	.00060	19000.	.00060	.00061	. 00060		8	00020	.00050	.000060	.00000	. 00060	.00061	.00061	.00000	.00060	.00061
					CYN	.00115	. 00077	.00036	61000'-	00089	00092	+6000	00093	00092	00092		Š	. 00007	00017	00060	00093	00094	00093	00093	₹6000	₹5000	00093		Č	00037	00086	00092	00093	£6000·-	₩6000	00093	+6000	₩6000	00095
					Շ	00233	00184	00130	0007¥	00021	₩0000.	.00008	<b>+00000</b> .	.00002	.00002		ბ	00088	00075	00032	90000.	.00010	90000	.0000 <i>2</i>	80000.	.0000	.00005		Շ	-, 00054	90000	10000.	<b>2</b> 0000.	<b>4</b> 0000.	60000	.0000	.00005	<b>C0000</b> .	.00013
				6.63	G.	.03026	.03081	57080.	.03122	. 3225	.03319	.03324	.03322	.03322	.03321	6.63	CL#	.03112	.03127	.03213	.03319	.03325	. 03322	.03323	.03323	.03322	.03324	6.63	¥ C	.03143	.03301	.03323	.03318	.033:7	.03322	.03324	.03315	.03324	.03321
	ž ž	447.0000 IN. ZT		RN/L	3	06266	06335	06323	-,06405	06533	06641	06647	-, 06644	06647	06643	RN/L -	ઠ	06387	06408	06518	06640	06649	06639	06641	06645	066¥1	06649	RN/L	8	06431	06819	06643	06632	06629	06642	06646	06625	06642	06641
				40. 462/ 0	2	286	50.105	100.130	150,180	200.160	239.960	399.960	599.730	799.740	1000.100	ID. 461/ 0	2	021	49.99B	99.827	150.100	199.990	299.870	400.100	600.150	900.050	999.860	D. 460/ 0	2	.02	50.239	100.140	149.970	200.040	300.260	399.940	599.870	799.710	999.610
REFERENCE DATA	SO.FT.		SCALE0100	RUN NO.	×	811.	183.	192.	925	.136	571.	8.1.°	130	. 236	348	RUN NO.	×	300.460	300.410	300.370	300.430	300.380	300.450	300.430	300.430	300.450	300.440	RUN ND.	×	600.620	054.009	0+5:009	600.520	900.500	603.550	064.009	0 <b>3</b> -6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-	0 hE . 009

DATE DZ AUG	2 AUG 75	1413	IAI3 SOURCE DATA	4						<u>a</u>	PAGE 231
			<b>1</b>	1A13 SRB(58) W/O PLUMES SEPARATING FROM 09110	1/0 PLUMES 9	EPARATING F	'ROM 09110		(870145)	45) (31 JUL	JA 75 )
	REFERENCE DATA	DATA							PARAMETRIC DATA	C DATA	
SAEF L'REF BREF SCALE	2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	XYPROP S ZYPROP S ZYPROP	1052	1052.0000 1N. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA - DALPHA -	4.530 .000 .000 400.000	PTOTAL = BETA : OBETA = PCHEBR =	.000 .000 .000 .000
		PEN NO.	0. 459/ 0	RN/L .	6.63						
	×	u	~	ક	£	۲	N.S	ෂ	ర		
	906	900.620	311	06638	.03322	00000	€.0003E	. 00060	.17283		
	006	900.650	49.793	₹₩990	.03324	£0000.	00093	.00060	. 17290		
	306	900.580	98.63	05637	.03320	*0000°	.00093	19000.	.17268		
	006	900.900	199.670	06841	ESEC.	E1000	E8000	00000°	17285		
	006	900.740	300.260	06538	.03323	.00005	£6000	.30061	.17292		
	006	900.710	400.170	05645	.03323	. 00005	00093	.00061	. 17281		
	006	900.730	600.300	-,05640	.03324	.00005	-,00093	.00069	.17285		
	906	900.820	800.380	05640	.03322	80000.	+6000	.00080	.17268		
	006	900.7%	939.770	06639	.03321	.00012	+6000.−	.00061	.17273		
			¥	1A13 SPB(SB) H/O PLUMES SEPARATING FROM 09T10	10 PLUMES S	EPARATING FI	ROM 09710		(RTJ146)	6) (31 JUL	ж
	REFERENCE DATA	ATA							PARAMETRIC DATA	: DATA	
395	2690.0000 SQ.FT.	<b>68</b> 0	Se	1052.0000 IN. XT				HACH	4.530	4	110.000
BOEF SCALE	_		****					-	000	DBETA -	000 E-
		PCN NO.	. 463/ 0	- T/NE	6.63						
	*		2	3	ş	5	Š	g	3		
		323	401.730	05184	.02599	00758	.00283	£6000°	.17264		
		385	600.680	-,05603	.03286	00010		.00082	. 17253		
		.369	899.960	06660	.03328	<b>2</b> 0:00.	0009 <b>2</b>	09000.	17571.		
		RUN NO.	0 /40 .	RN/L	6.63						
	×		7	3	<b>x</b>	5	3	ē	3		
	300	300.480	399.880	05182	10550	- 00756	12.CO	9	17304		
	300	300.420	566.830	08648	.03323	80000	26000 -	000	5 20		
	300	300.400	798.890	6,990	.03324	.00008	00092	. 20060	17279		
	300	300.410	900-210	** <b>99</b> 0∵-	.03320	60000.	₹6000'-	.00061	.17259		

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(RTJ146)	

PARAMETRIC DATA	4.536 PTOTAL = 110.000 .000 BETA = .000 .000 DEETA = -5.000 .000 PCH*RR = .000	CA .17210 .17233 .17277 .17288	CA . 17285 . 17285 . 17280	(RTJ147) (31 JJE 75 ) PARAFETRIC DATA
	MACH ALPHA - DALPHA -	. 000 73 . 000 60 . 000 60 . 000 60	CBL .000 <b>60</b> .000 <b>61</b> .00060	
		CYN ,00095 -,00094 -,00092	CYN000920009400093	30H 09110
				IAI3 SRBISB) W/O PLUNES SEPARATING FROM 09110
		CLM CLM .02882 .03324 .03324	6.63 CLM .03318 .03321 .03324	/0 PLUMES SI
	1052.0000 'N. XT .0005 IN. YT	CN 06204 06644 06651 06654	CN06634 06634 06651	3 548 (56) 14
	• • •	70 / Cat	2 399.580 602.370 798.960 999.120	Ĭ
REFERENCE DATA	SQ.FT. XORD INCHES YYGH INCHES ZHOP	X 600.310 500.600 600.600	RUN NO. X 900.550 3 900.650 6	REFERENCE DATA
REFE	2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES			REFER
	SCALE .			

•
7HGP = .0000 IN. YI 2HGP = 447.0000 IN. ZI
RUN NO. 467/ 0 RN/L + 6.63
Z CN CLM CY 800.19006654 .03326 .00009
RUN ND. 468/ 0 RN/L - 6.63
Z CN CLM CY 799.96008051 .03325 .00001
RUN NO. 499/ 0 RN/L = 6.64
Z CN CLM CY 799.97006651 .03325 .00008

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DATE 02 AUG 75	2	IA13 SOURCE DATA	DATA						.⊍ <b>∀d</b>	233
		_	IAI3 SAB(SB) W/O PLUMES SEPARATING FROM 09110	H/O PLUMES S	EPARATING F	ROH 09110		(RTJ[47)	47) (31 JUL 75	, 27
REFE	REFERENCE DATA							PARAMETRIC DATA	C DATA	
SAEF = 2890.0000 LPEF = 1290.3000 BAEF = 1290.3000 SCALE = .0100	SQ.FT. INCHES INCHES	HE REPLACEMENT TO THE PROPERTY OF THE PROPERTY	1052.0000 IN. X .0000 IN. Y 447.0000 IN. Z	XT YT ZT			HACH ALPHA DALPHA T	000° . 000° . 000° .	PTOTAL - 110 BETA - DBETA - P	.000 .000 -5.000
	ş	RUN NO. 470/ 0	0 RN/L -	6.63						
	× 800.670	2 800.030	CN 06654	CLM . 03326	CY . 00008	CYN 00094	CBL .00060	CA . 17277		
		_	1A13 SPB(SB) H/O PLUMES SEPARATING FROM 09110	M/O PLUMES S	EPARATING FI	ROM 09110		(RTJ148)	48) (31 JUL 75	ار د
REFER	REFERENCE DATA							PARAMETRIC DATA	C DATA	
SAEF • 2590.0000 LREF • 1250.3000 BAEF • 1290.3000 SCALE •	SU.FT. INCHES INCHES	XMRP = 105 YMRP = ZMRP = 44	1052.0000 IN. X .0000 IN. Y 447.0000 IN. Z	XT YT ZT			MACH ALPHA BOALFHA T	4,530 ,000 ,000 .	PTOTAL = 110 BETA = 10 DBETA = 10 PCHTBR = 10	000.011
	£	RUN NO. 4717 0	0 RBV/L	6.63						
	X 385. 364.	2 399.850 600.810 800.280	04706 05:03 06661	CLM .02461 .03214 .03331	. 00036 - 00036 - 00007	CYN .00213 00063 00094	CBL . 00090 . 00062	CA .17280 .17212 .17297		
	<u>.</u> \$	9		8.63						
	X 300.210 300.250	2 3 3 9.280 598.580	CN04818 005639 105651	CLM .02340 .33322	00829 00002	. 00354 - 00093	CBL . 00099 . 00060	CA .17238 .17253		
	300.349	9		.03323	80000 10000 10000	₹6000 · -	.00061	17868		
	800.360 800.940 800.810	2 400.050 0 601.860 0 800.820	CN 05987 06641 05680 06648	02841 .03320 .03321 .03321	CY - 00024 - 00004 - 00003	CYN .00102 00093 00093	. 00050 . 00050 . 00050	CA .17187 .17255 .17285		

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IAIS SOURCE DATA

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(RTJ148)
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	PT07AL = 110.000 BETA000 DBETA = -10.000 PCHFBR000		
	000°.		CA .17186 .7259 .17571
	MACH ALPHA DALPHA T		CBL . 00060 . 00061 . 00060
			CVN0009200092000920009200092
			.00004 .00004 .00006
		6.63	CLM .03314 .03321 .03328
	1052.0000 IN. XT. .0000 IN. YT. 447.0000 IN. Z'	PN/t.	CX 06636 06636 06653
	• • •	RUN NO. 474/ 0	2 399.290 599.850 798.760
MEFENENCE DATA	2690,0000 SQ.FT. XX4RP 1290,3000 INCHES YMRP 1290,3000 INCHES ZMRP .0100	RUN NO	800.440 900.520 900.520 900.850
	SREF LREF BREF SCALE		

# IAIS SPB(SB) M/O PLUNES SEPARATING FROM OBTIO

### PARAMETRIC DATA

(RTJ149) (31 JUL 75 )

110.000	000	-10.000	000
•	•	•	
PTOCAL	BETA	DBETA	PC+108
4.530	000	000.	200.000
			•
FACH	AL PHA	DALPHA	<b>&gt;</b>

### PW/L = 6.64 RUN NO. 475/ 0 SREF = 2690.0000 50.FT. DEF = 1290.3000 INCHES SEREF = 1290.3000 INCHES SEALE = .0100

- 1052.0000 IN. XT - .0000 IN. YT - 447 0000 IN. ZT

REFERENCE DATA

CA .17239 .17220 .17188 .17250 .17271
. 00243 . 00125 . 00060 . 00060
CYN .01437 .00907 .00982 00094
. 02964 - 01679 - 00529 - 00004 - 00009
CLM .01152 .02473 .02877 .03324 .03325
03392 03792 05219 06654 06650 06650
2 199.710 300.660 400.400 600.590 800.140
× 2003 1775 1469 1301 171

### PBVL . 5.64 RUN NO. 477/ 0

×	2		r U		3	<b>.</b>	<b>4</b> 5
002	111		62610		.02381	00176	. 17¥28
200	9		01810		. 02047	00131	17409
300.350	99.063		.01423		71710.	00199	. 17383
200.010	149.800		.01228		.01539	00291	17304
300 480	086.861		.01605		.01293	00164	. 17193
300.580	300.470		.02679		.00728	<b>\$1100</b> .	.17169
100 690	400.750		.03307		000080	19000.	.17217
300.640	600.510		.03330		E6000	.00060	. 17278
300.460	800.443	05658	.03327	.00007	+6000	C.000.	17278
300 . 320	1000.100		.03328		<b>+6</b> 000 ' <b>-</b>	.00060	LT271.

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### IAI3 SOURCE DATA

DATE 02 AUG 75

# 1A13 SRB(SB) M/O PLUNES SEPARATING FROM 09710

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(RTJ149)

		110.000	000.	-10.000	000
TOO IS I SENIOUNI	C DATA	PTOTAL .	BETA	DBETA .	PCHMBR .
	PARAMETRIC DATA	4.530	000	000	200.000
		•		:	•
		HACH	ALPHA	DALPHA	<b>&gt;</b>
FROM OSTIC					

### RN/L . 5.64 RUN NO. 478/ 0

XHSP = 1052.0000 IN. XT YHSP = .0000 IN. YT ZHSP = 447.0000 IN. ZT

SREF = 2690,0000 SQ.FT. X L. F = 1290,3000 INCHES Y BREF = 1290,3000 INCHES Z SCALE = .0100

REFERENCE DATA

₹	.17286	.17239	17178	56161.	17143	.17193	. 17209	.17264	07571.	. 17280
<b>SP</b>	00188	00240	00045	B6000'	06000.	99000.	.00060	.00060	.00060	.00060
CYN	87600.	.00866	+7900.	.00537	76200.	00017	+6000	₹6000	<b>-</b> .0009 <b>5</b>	00093
Ç	01433	01292	01062	00866	00650	00083	11000.	<b>700CJ</b>	01000.	50000.
C.	. 02239	.02078	.02669	.03068	.03056	.03253	.03320	.03325	.03326	.03329
8	05262	05113	05858	06299	06296	-,06566	06651	-,06653	06657	06561
7	052	19.60	99.64	150.110	199.950	300.770	400.840	599.650	799.190	999.160
×	600.600	600.420	600.480	600.550	600,610	600.960	600,830	600,230	600.330	600.430

### PN/L . 6.64 RUN NO. 479/ 0

×	Z	S	r G	Շ	CAN	9	₹
	£75.	06354	. 03050	00012	- 00086	00035	.17119
	50.209	05657	.03320	.00013	00100	65000.	94171.
	100.150	0664 <b>6</b>	.03315	01000.	00097	.00060	.17122
	150.140	06840	.03315	90000.	00093	.00050	.17160
	200.020	06656	.03322	.00001	00092	.00060	5.241.
	299,400	06659	.03326	.00003	£5000·-	. 00060	.1785.
	398.250	05659	.03327	10000.	00092	.00059	. 17273
	601.020	84990'-	.03323	. 00005	00093	.00060	.17250
	800.580	06650	.03323	. 00006	00093	.00000	.17254
	1000.100	06554	.03327	.00005	+6000	.00060	. , 7269

17212 17242 17253 17256 17256 17266 17266 17266

-,00064 -,00093 -,00093 -,00093 -,00093 -,00093 -,00093

99.831 150.010 199.800 399.870 399.870 600.240 800.390

IA13 SOURCE DATA
DATE 02 AUG 75

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SEPARA	
PLUMES	
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588(58)	
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## (RTJ150) (31 JUL 75 ) 09110

REFEF SAEF = 2690,0000 LAREF = 1290,3000 BAREF = 1290,3000 SCALE = .0100	ENCE DA EO.FT. INCHES INCHES 900. 900. 900. 900.		- 1052.0000 	052.0000 IN. XT .0000 IN. YT .0000 IN. ZT 447.0000 IN. ZT CN CN CN WZ06650 64706659 69006656 5006656 5006656 5006656 5006656	6.63 CLM .03322 .03326 .03326 .03326 .03326	. 00002 . 00003 . 00004 . 00004 . 00005	CYN 00092 00092 00093 00093 00093	ALPHA - DALPHA - V Y Y - CBL . 00059 . 00059 . 00059 . 00059 . 00059 . 00059 . 00059 . 00059 . 00059 . 00059 . 00059 . 00059	#.530 PTOT.  4.530 PTOT.  .000 BETA  .000 DBETA  .000 DPETA  .000 PCHR  400.300 PCHR  .17245 .17256 .17276 .17276 .17272 .17272	PTOTAL - BETA - DRETA - PCHEBR -	. 000 . 000 . 000 . 000
•	900.510		01 n · 666	1A13 SRB(58) H	0 - 06664 .03328 .0000100092	.00001	00092 ROH 09710	650000	17276 (RTJ151: FARAMETRIC CATA	ii: (31 JAL 75 : CATA PTOTA: - 110.	J. 75 )
94EF - 129C 3000 LREF - 129C 3000 BPEF - 129C 3000 SCALE0100	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		071.008 2 2 0  600.170	447.0000 IN. XT 447.0000 IN. ZT 447.0000 IN. ZT 7006668	6.64 CLM .03328	CY .	CYN 00093	. <del>4</del> 980	900 . 000 . 000 . 000 . 000 . 000	96.1A • PCHM8R •	000.0
	300. x 300. 440 600. 590 x RCM	<b>9</b> 9	2 799.960 2 798.890 496.0	CN 06648 RN/L • CN 06673 RN/L • CN CN	CLM .03320 6.63 CLM .03332 6.64	40000 · AO	CYN 00092 CYN 00093 CYN 00093	CBC	CA CA CA CA CA CA CA		

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(RTJ152) (31 JUL 75 )	
IA. TRBESS M/O PLUMES SEPARATING FROM DOTIO	

	0000								
	.000 .000 -20.000								
DATA	PTOTAL BETA DBETA PCHRBR =								
PARAMETRIC DATA	000.008		CA . 17269		CA . 17240		CA . 17264		CA . 17270
	MACH ALPHA - DALPHA -		CBL . 00058		CBL . 2000:7		CBL . 00058		. 00058
			CYN 00089		CYN 00087		CYN 00089		CYN 00098
			CY 00010		CY 00011		CY 00009		CY 00010
		\$.0	CLM .03328	<b>9</b> .6	CLM .03322	6.64	CLM .033 <b>27</b>	6.64	CLH . 03327
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L .	CN 06663	RN/L.	CN 06649	- 1/NE	ON 06658	FBN/L	CN 06861
	.052.0	RUN NO. 487/ 0	2 800.220	RUN NO. 488/ 0	2 799.990	RUN NO. 489/ 0	2 799.830	RUN NO. 490/ 0	Z 300.030
⋖	XHER YHER ZHER	₹		9 3	9	3	۶	₹	
ENCE DATA	SO.FT. INCHES INCHES	Œ	× 601	œ	X 30ú.260	Œ	X 600.870	Œ	X 900.710
REFERENCE	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES .0100								
	SPEF = SCALE •								
	286 SCAL SCAL								

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H.O PLUNES SEPARATING
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SS (SE)
IAI3

(RTJ153) ( 31 JAL 75 )

												LANGE INIC ONLY		
SPEC . LREF . BPCF .	2690.0000 1290.3000 1290.3000	SO.FT. INCHES	X7689 X7689 Z7689		982.0 .0. .0. 7.3	1052.0000 1H. X .0000 1N. Y 447.0000 1N. Z	* * *				MACH ALPHA DALPHA Y	000.004	PTOTAL 7 BETA BOBETA POHEBR B	110.000 .000 -26.000
			REN NO.	ğ	0 /363	<b>1</b>		6.63						
		×		2		ક		S.	Շ	C A	ಕ್ರ	5		
		•		299.780	<b>6</b>	05048	ē	.02176	01824	.01210	. 00 14 <b>8</b>	. 16912		
		•		₹00.	70	062	ድ	64080.	0022¥	<b>58000</b> .	.00071	. 17003		
		·	019	599.8	30	066	22	.03324	+1000	00089	.00057	.17252		
		•		900.0	90	066	53	.03323	-, 00005	00090	.00058	17249		
		i	_	1.000	8	066	59	.03326	00008	00090	.00057	. 17260		

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DATE DE AUG 75	IAI	IAI3 SOURCE DATA							PA0E 239
		1413	1 SAB(SB) E	10 PLUMES S	IAIS SABISB) H/O PLUMES SEPARATING FROM OPTIO	NOM OBTIO		(RTJ153)	53) (31 JUL 75 )
REFEREN	NCE DATA							PARAMETRIC DATA	C DATA
• 2690.0330 • 1290.3000 • 1290.3000	SQ.FT. XHRP INCHES YHRP INCHES ZHRP	• • •	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA DALPHA	000.	PTOTAL = 110.000 BETA = .20.000 PCHARR = .000
SCALE	3	RUN NO. 491/ 0	FN/L .	6.63			•		
	×	~	z	Ę.	Շ	CYN	<b>6</b> 5	ర	
	300.550	006	03674	11600°	03228	. 02405	00423	68891	
	300.270	49.782 99.621	03817	.010517	- 02115	15050.	00329	. 16856	
	300.180	149.870	03340	41 400.	18410	S1010.	00073	05031,	
	300.180	199.860	06200	₽7620.	00840	. 00550	£6000°.	026911	
	300 . 060	299.880	06555	.03521	\$0000.	66000 -	.00058	. 17120	
	300.630	399.850	08659	.03317	00012	68000	B6000.	991/1	
	300.080	589.833 800 880	70990.	19350.	*1000	- 00083	45000 85000	45271	
	300.670	900.000	PC000	03350	4.000	- 00086	45000 45000	17236	
	239.390	1000.500	F+990	. 03360	0.000		0000	063/11	
	RUN INC.	الل. 482/ 0	FR/L	6.63					
	×	7	ક	Ę	ò	CYN	SB	ð	
	600.160	84. 84.	05188	16050.	00291	56100.	00404	.17153	
	600.220	50.031	05722	.02510	00150	6+000.	00263	.17015	
	600.370	99.983	05481	.03125	00032	00070	00018	. 16965	
	600.430	150.180	06664	.03285	00003	00090	.00057	. 16319	
	600.400	199.980	06673	.03295	00007	00089	.00058	96791	
	600.430	299.950	06577	.03325	200003 20000	06000.+	85000.	1727	
	500.050	600.050	1,05564	03327	-,00007	-,00088	. 20057	17261	
	60.030	799.530	-, ñ6654	.03323	00003	00090	.00058	.17245	
	900.160	939.100	- 06662	.03327	00005	68000 -	.00057	.17261	
	RUN NO.	40. 493/ D	RN/L	6.63					
	×	7	ક	£,	Շ	CYN	85	Ξ	
	900.600	910.	06533	.03136	0004	00065	.00007	. 16892	
	900.520	50.05	6+990	. n3261	00013	00087	.00057	. 16920	
	900.370	606.66	-· 0666 <b>8</b>	. 03292	00013	00088	. 00055 <b>6</b>	17023	
	900.210	049.641	06683	.03313	*1000	00089	.00057	.: 7137	
	900.090	199.600	06654	.03323	11000 -	. 00008	75000.	7222	
	900.210	014.004	05657	.03326	60000	00088	75000.	1729.	
	900.900	600.280	06650	.03323	00012	00087	. 9005.	. 17250	
	901.080	800.580	08658	.0332t	£:000'-	00087	.00057	37571.	
	909.006	1000.200	05658	. 03325	60000	<b>-</b> .300 <b>8</b>	. 00057	. 17854	

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REFERENCE	CE DATA						_	PARAMETRIC DATA	DATA		
SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1280.3000 INCHES SCALE = .0100	.: S S	• • •	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA BALPHA PALPHA PALPHA	. 530 . 000 . 000	PTOTAL BETA BETA BOBETA PCHEBR	.000 .000 -20.000 .000	
	RUN NO.	NO. 495/ 0	RN/L .	6.63							
	×	7	8	ş	5	3	<b></b>	S.			
		399.880	03906	.029 <del>43</del>	00381	00015	.00063	.17304			
	620	800.010 1000.100	06659	.03324		00089	.00057	.17244			
	Ş	RUN NO. 496/ 0	RN/L	6.63							
	>	P	3	E.	Շ	CYN	85	ర			
	299.780	397.580	-,0396₩	. 02037	00796	.00238	06000.	.17252			
	300.00	599.870	06656	.93323	B0000'-	00088	. 00058	16171.			
	300.500	800.030 998.920	06663	.03326	00005	06000	.00059	. 17253			
	3	RUN NO. 4997 0	FR/L -	6.63							
			i	;	į		Ş	į			
	×	7	Z	E .	, i	C 1 K	CBC	17153			
	600.620	400.040	05667	19630.	- 100443	91200.	20000	17240			
	601.010	064.108	06659	.03324	60000 -	00088	.00057	.17233			
	599.490	1000.100	06659	.03324	00003	06089	.00058	. 17239			
	75 NO.	NO. 500/ 0	RN/L	6.63							
	×	2	ક	S.	۲	CAN	평	ర			
	899.990	399.750	06645	.03320	00019	₹8000∵	.00057	17149			
	900.240	599.980	06656	.03325	00007	00089	.00057	17253			
	900.180	789.910	06656	.03324	00002	06000	.00057	5.557.			
	993.980	997.730	06561	.03327	00005	- 00088	, cooo .	. 1 /663			

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SREF LREF BREF SCALE

IAIS SOURCE DATA

.000 .000 -20.000 75 (RTJ155) (31 JUL PTOTAL BETA OBETA PCHMBR PARAMETRIC DATA 4.530 .000 .009 200.009 .17181 .17189 .17238 .17240 CA .17069 .17246 .17248 .16944 .17054 .17132 .17250 .17257 CBL .00122 .00058 .00057 MACH ALPHA DALPHA CBC .00098 .00057 .00056 CBL .00149 .00059 .00057 .00058 .00783 -.00086 -.00088 IA13 SAB(SB) W/O PLUMES SEPARATING FROM 09710 .00531 -.00089 -.00089 .01361 .00369 -.00079 -.00089 -.01512 -.00012 -.00009 -.00007 CY -.00865 -.00006 -.00009 -.00007 -.02066 -.00885 -.00013 -.000014 .03325 .03320 .03325 CLM .02347 .03325 .03325 .02340 .02340 .03302 .03320 .03328 6.64 6.64 6.6 6 • 1052.0000 IN. XI • 0000 IN. YI • 447.0000 IN. ZI CN -,05265 -,05820 -,06639 -,06652 -,06657 -.03**9**40 -.06654 -.06650 -.06662 -.05298 -.06669 -.06659 RN/L FN'L . ž 0 /864 497/ 0 532/0 z 199.960 300.000 2 400.400 598.800 798.700 999.600 2 400.230 599.8<sup>6</sup>3 800.790 399,440 599,870 801,030 999.840 ġ ġ PUN NO. 24 X 300.810 300.210 300.680 300.370 . 221 - . 490 - . 490 2 600.640 600.710 600.250 600.970 599.610 \$ REFERENCE DATA 2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100

 X
 Z
 CM
 CLM
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 900.760
 .471
 -.05355
 .02167
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 900.270
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1A13 SOURCE DATA

(RTJ158) (31 JUL 75 )	
IAI3,SRB(SB)WITH PLUMES SEPARATING FROM 09710	

	3.900 .000 .000 .000																				
	150 28																				
: DATA	PTOTAL BETA DBETA PCHABR																				
PARAMETRIC DATA	000. 000. 000.		క	.09377	00660.	. 12080	. 13606	.14107	.14734	.15716	.15082		ర	: 6438	.16194	. 16726	.16714	.16650	. 15560	. 16550	. 16765
	MACH ALPHA DOLPHA T		SP.	68.000	.01323	.01836	.01927	17710.	.01105	¥2400°	0,000		ಕ	05983	-,06032	05161	03790	-, 02850	01971	01901	01605
			CX	01641	04930	08470	07848	07354	05407	03778	00550		CYN	. 12119	. 19668	. 23541	.26401	. 23975	. 18344	.10870	.07253
			Շ	- 14 B	-,214B	30525	34982	31966	21313	-, 15022	07945		Ç	22780	35816	42553	66444	42212	27790	18582	11838
		£	£	07378	-,05911	02712	. 0000	.02342	.04209	.05065	.02150	÷.	5	25117	23222	19302	18148	17088	16654	14938	18862
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L -	ક	00549	00177	.01550	19160.	. 15989	.21536	20405	. 15319	BN/L	3	.38868	.35907	.29873	.29117	. 26898	LLETETT.	£13.	.28263
		0. 511/ 0	2	058	49.815	99.868	150.120	200.370	298.580	400.360	800.400	NO. 514/ 0	7	152	50.138	100.420	156.390	200.050	299.970	398.280	600.290
NCE DATA	NO.FT. XHRP NOHES YHRP NOHES ZHRP	RUN NO.	×	¥18.	.457	.370	.319	348	.517		675	Z Z	×	900.750	900.7.0	900.670	900.770	900.670	900.820	900.930	839.850
PEFFRENCE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100																				
	SPEF LREF BPREF SCALE																				

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(RTJ159) (31 JUL 75 )

IAI3, SRB (58) WITH PLUNES SEPARATING FROM 09110

PARAMETRIC DATA	. 4.510 PTOTAL - 28.900 000 BETA000 IA - 5.000 DBETA000					136 , 14308			195 . 14269		17136		₹.	978 . 17029					437 .16781		
	MACH ALPHA DALPHA Y		89	0-	015	01835	018	016	010	010	012		8	840	1.047	-,049	039	040	04437	059	015
			CYN	-, 00968	00777	00630	01098	-,01423	01058	00019	. 02565		CYN	<b>16630</b> .	30060°	.09368	10130	11790	. 12581	.13818	78160.
			Շ	17370	20581	25192	27436	28310	26931	25760	18549		5	13865	19716	-, 18359	21391	24662	24097	<b>2</b> ₹581	13295
		1.11	CLM	97.450	.01844	₩200.	84500.	.00658	.02034	. 02721	00662	1.77	E S	0794B	07850	09304	09502	10645	14701	20915	18901
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L -	3	-,08582	05597	02077	.00278	.03085	.06691	.08353	. 12838	RN/L .	3	.03950	. 12035	.14939	.16851	. 19400	25865	34845.	.25784
	• • •	512/ 0	7	811.	50.589	100.790	150,560	200.850	301.030	400.730	539.930	RUN NO. 515/ 0	7	-1.273	50.382	100,000	150.330	200.200	300.440	400,96n	597, 730
REFERENCE DATA	SREF = 2696.3000 50.FT. XMRP LREF = 1290.3000 INCHES YMRP BREF = 1290.3000 INCHES ZMRP SCALE = .0100	RUN NO.	×	<b>3</b>	2 2	1000 1000 1000 1000 1000 1000 1000 100	=   =   =   =   =   =   =   =   =   =	<b>₹8</b> 2.	968	OIE	795.	RON &	×	900.100	900.830	008.006	012:006	008.006	900.650	089.005	800.820

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(RTJ160) (31 JUL 75 )

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	28.900 .000 .000																				
C DATA	PTOTAL - BETA - DBETA - PCHMBR -																				
PARAMETRIC DATA	500.000 500.000		5	. 18235	17925	04271.	17525	176.87	12091	17759	19161		5	17757	41771.	.17773	.17346	.16810	15975	.15778	
	MACH ALPHA BALPHA BALPHA PALPHA		<del>න්</del>	01397	01707	02029	02324	02483	-, 02433	02378	01843		ස්	05936	05745	05218	05166	05091	04753	03567	
			CAN	. 01302	.01827	.02148	.02858	.03322	. 04843	.08146	+9080.		CYN	18681	1.00	8246	.16040	.14065	01-21.	.11675	
			ć	16195	18927	2129	23471	25134	27642	29385	24883		ò	23608	2+953	23915	21359	∙.18979	17428	16073	
	<b>.</b>	1.73	CL <sub>M</sub>	98150.	.04718	61040.	.03374	.03062	.02273	.01245	03824	1.73	Ş	.00426	03316	08111	14066	18865	22139	19396	1 000
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L =	ક	10473	- 14496	: P428	08530	06427	00589	. 02746	. 13755	FN/L -	8	01692	.03205	. 09952	. 18338	.24633	. 27986	.25608	00000
		. 513/ 0	2	065	40.66	99,368	149.860	198.640	289.400	399.990	598.750	516/ 0	7	038	49.876	89.639	149.820	200.230	300.030	400.280	000
REFERENCE DATA	0 SO.FT. XHRP 0 INCHES YHRP 0 INCHES ZHRP	PEN NO.	×	305	9	. 233	.397	بري م	, W.	. 193		REN NO.	×	200.750	800.750	900.740					900.820
PEF!	2890.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES																				
	SREF . BREF . SCALE .																				

(RTJ181) (31 JUL 75 )

## IAI3.SRB(58)HITH PLUNES SEPARATING FROM 09710

REFE	REFERENCE DATA							PARAMETRIC DATA	: DATA		
SAEF = 2690.0000 SG.FT. LARF = 1290.3000 INCHES BAEF = 1290.3000 INCHES SCALE = .0100		XHRP = 1052. YHRP =7.	1052.0000 IN. XT .0000 IN. YT +47.0000 IN. ZT				MACH ALPHA BALPHA T	015.4 000.6 000.0	PTOTAL BETA DEETA PCHHBR B	26.900 .000. .000	
	₽	RUN NO. 527/ 0	RN/L -	£.							
	×	7	3	CLM	Շ	Š	165	క			
	85¥.	8 +9.985	07272	04259	26427	.92624	- 01224	.06673			
	299		.04218	11010	33411	01062	00510	66880.			
	. 381	1 150.030	14734	11664	39290	04123	.00506	<b>*1</b> 811.			
	. 382	2 200.320	.25732	11324	39329	06053	, 0133¥	. 13645			
	315	5 300.330	. 35586	08638	25134	05763	.01605	04581.			
	香一	4 400.060	.33810	06333	15143	05361	96600.	. 13967			
	. 229	069.109 6	19409	.00057	07176	01691	00236	12844			
	.317	_	53671.	03372	02962	00238	98000.	13969			
	610	001.0001 0	. 23240	10078	00761	00078	.00178	.16183			
	₽	RUN NO. 525/ 0	FN/L	₹							
	×	•	3	X)	გ	X.	CBL	క			
	C 100 E		18251	02120	-,17912	75700.	01393	.12366			
		Ĭ.	-,01289	.00413	-, 29065	.01703	00986	. 13803			
			09551	.02496	38486	.02579	00216	. 15918			
		_	-,04209	.02487	40,241-	.03077	.00383	. 15358			
	300.500		.05903	.01608	40238	.02217	T8700.	94841.			
			.15812	71900.	24584	.00185	16010.	900+1.			
	300.370	339.990	.15798	41810.	15218	00327	£4400°	. 13532			
	300.350	000.009 0	51621.	00623	08728	₩Z210.	00763	. 13556			
	300.490	064.109 0	1.19247	=.0794₽	0364 <sup>-)</sup>	¥5010.	00260	.14573			
	019.662	0 1000.100	. 26229	15721	01059	.00363	<b>≯610</b> 0∵	.17989			
	€	RUN NO. 517/ 0	RN/L								
	3	•	2	<b>1</b>	5	2	ä	5			
	, cos	4 K	2111	07450	10100	08737	<b>2</b> 6620 -	5827			
	500 220	_	76150	00118	-, 39600	.11552	01672	. 14566			
	600.640		02.430	00805	43742	. 13025	00000	. 13400			
			₩7870.	02745	14124	12851	00276	.13387			
			. 15460	04455	. 27541	. 08629	.00318	. 13695			
	600.390		16541	¥78+0	16604	. 04623	.00017	. 13682			
	600.540	_	.15306	04655	11001	0.3940	01040	14243			
	600.7+0		.23403	13961	04198	.02133	00284	. 1694 <b>6</b>			
	599.840	068.666 0	.17522	12763	**010	44500	00000	. 15850			

16

DATE 02 AUG 75

C DATA	PT0TAL = 28.900 BETA = .000 OBETA = .000 PCHTBR = 1500.000
PARAMETRIC DATA	
	MACH ALPHA TO DALPHA TO TO TO TO TO TO TO TO TO TO TO TO TO
	XMRP = 1052.0000 IN. XT YMRP = .0000 IN. YT ZMRP = 447.0000 IN. ZT
REFERENCE DATA	2690.0000 50.FT. 1290.3000 INCHES 1290.3007 INCHES
	SPEF LREF BREF

RUN NO.	919/ 0	FBN/L	ž.				
		?	I	5	č	<b>18</b> 5	5
	7	<b>1</b>	19861	- 28443	14275	05085	160
•	RUM'RE	0010	2100	10v0	EC406	04566	. 157
0	100.21	Ç	. 10010			1220	191
0	149.770	. 22058	12316	968++	25.	03331	
	0111 000	Obduc	-, 12389	44207	. 23986	02107	158
<b>.</b>	011.00	91.110	nare: -	- 30506	16848	01154	. 150
5	300.440	01419		F1001	1000	- 00879	10 m
0	±00.970	.20161					
	599,973	. 22362	12830	11210	. 05835	01681	2
006.006	800.130	54645.	17965	03136	5.050.	00056	. 16359
	999,590	87,000.	01430	00260	.000	64000.	*

# IAI3, SRB (SB) HITH PLUNES SEPARATING FROM 09710

(RTJ162) (31 JUL 75 )

PARAMETRIC DATA

K 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	REFERENCE DATA							i			9
2690.0000 SO.FT.		94 X	1052.00	1052.0000 IN. XT				٠ ٠ ٨ ٩٠	016.4 000.	PTOTAL -	000
LME! = 1030.3000		9		100 IN. ZT				DALPHA -	-5.000	D8ETA =	000
0010		1						• >	200.000	PCHEBR =	1500.000
	ž	RUN NO.	528/0	- J/NG	1.76						
	>	•		8	, T	Շ	CAN	CB.	ర		
			90	14601	.03008	19470	71810.	-, 02098	15691		
	2 %		22.00	09460	.02618	- 24495	.01821	02479	14501		
	2		51.170	03932	.01225	294.J	.03158	03126	. 12375		
			01.030	.00536	16000.	- 29574	.01475	02214	. 11946		
	602		026	49290	09910	-,27353	01248	00887	. 12602		
			00 590	08252	. 02329	22509	01272	00713	. 12909		
	727		010	11038	.00580	19545	76100.	00624	. 15450		
	9		086.980	18219	04504	12691	.02326	00863	.16154		
	92		93.0	90192	12240	07828	.02824	-,00598	.16897		

ξ

DATE DE AUG /3	0 0 141	The same								
		[1]	1,588(SB) WIT	H PLUMES SE	IAI3,588(SB)HITH PLUNES SEPARATING FROM 09110	10H 09T10		(PTJ162)		(31 JUL 75 )
HEFERENCE DATA	DATA							PARAMETRIC DATA	: DATA	
SREF * 2690.0000 50.FT. LREF * 1290.3000 INCHES BREF * 1290.3000 INCHES SCALE * .0100	S YHRP	1952.0	1952.0000 IN. XT .0000 IN. YT 447.000. IN. ZT				ALPHA -	4.510 .000 -5.000	PTOTAL = BETA = DBETA = PCHMBR =	28.930 .900 .000 .1500.000
	PEN NO.	519/ 0	RN/L -	1.78						
*	~	2	8	r F	ટ	C.S.	<b>S</b>	ర		
300	300.410	<u>.</u>	07203	.02403	23244	.01195	03262	. 16421		
300	300.430	48.975	02343	55600	27584	. 02637	03402	¥1151.		
300	300.470	99.930	05110.	10700	- 30019	16550.	03392 03068	14941		
306	300.360	199.120	. 04061	.00153	30846	.02863	02649	. 1 3836		
300		300.670	. 05849	00035	27415	. 02084	01702	13909		
300		400.230	.07443	00259	-,25120	.02965	01583	.1508		
300		600.180	. 16769	06372	20769	. 05427	01576	. 15643		
300		801.380	. 25438	12745	13512	. 05356	01525	. 16609		
<b>X</b>	299.530	1000.100	.256∪¥	16256	07453	84040.	00794	. 17229		
	PUN NO.	520/0	RN/L	1.76						
×	Ų.	2	Š	C.	Շ	Z.	떯	క		
009	600.600	.063	-,07495	.03290	23069	,07828	04310	.15110		
909		50.112	03019	.01060	22537	.05208	04160	.13890		
909		100.2±0	.00103	.00076	21742	.04467	03668	.13875		
309	600.620	149.890	.01326	-,00540	23490	704707	03189	11041.		
700		201.560	00460	103600	1,000.1	/ / OCO :	0.820.1	2001.		
138		301.080	64401	- 04091	44002:-	C#0#0.	01953	0.5001		
909		600.000	75674	91531	- 20937	20.60	- 02607	16304		
009		799.730	10575.	17510	12932	. 07241	01088	.1.365		
209	600.690	060 . 666	. 11495	08576	62840	.03100	00523	.15755		
	₹ 8	521/0	RN/L .	1.76						
×	Ų	2	ક	ار د	Շ	CYN	න්	ర		
106	900.760	1.169	00180	01207	15185	.08311	04262	91191		
906	900.750	50.086	.04173	03305	18490	.08087	03699	.14692		
006		99.789	. 06689	04738	19166	.08334	03492	. 14572		
306		149.890	91660.	~.05103	18862	.07763	6+0£0′-	- 1434B		
306		199.890	.11604	05630	22338	.08591	02911	. 14830		
306		297.840	9 7 7 7 .	08341	22171	. 08945	02716	. 14856		
306		399.910	19064	09977	21497	.09332	02644	15498		
206		501.520	.32304	21916	19675	. 12151	03384	. 15586		
306		800.260	.17496	13592	07548	.05285	0104-	14811		
אחר	900 - 800		01321	00 <i>2</i> >8	00762	<b>9</b> 9400.	. 00035	1,861		

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£	1'.3 SOUNCE JATA	5	E JATA			L	746. 78	
			IAI3, SAB (58) HITH PLUMES SEPARATING FROM 08110		CRTOIL	(RTJ163) (31 JUL 75	JR. 75 J	
REFERENCE DATA	₹				PARAMETRIC DATA	C DATA		
0.0000 SQ.FT.	O. C. P. C.	•	0.0000 50.FT. XMRP - 1052.0000 IN. XT	HACH	4.310	PTOTAL -	28.900	
C. 3000 INCHES	YHRP	•	.0000 IN. YT	ALPHA -	000	BETA -	000	
0.3000 INCHES	ZHEP		447.0000 IN. ZT	DALPHA .	-5.000	DALPHA5.000 DBETA000	000	
0010				• >	400.000	Y + 400,000 PCHMBR + 1500,000	1500,000	

SAEF	2690.0000	-	X	- 1052.					MACH	4.310	PTOTAL -	28.900
LREF - BREF - SCALE -	1290 . 3000 1290 . 3000 . 0100	INCHES	4 4 4 8 6 4 8 6 6 6 6 6 6 6 6 6 6 6 6 6	• • • • • • • • • • • • • • • • • • •	.0000 IN. YT				ALPHA DALPHA Y	.000 -5.000 +00.000	BETA = 09ETA = PCHMBR =	.000 .000 .000
		æ	RUN NO.	528/ 0	FRV/L =	<u> </u>						
		×		2	8	5	ដ	C.	<b>15</b>	ర		
		¥75.	ŧ	286	15436	.04591	14052	00589	00987	1954		
		Νį	20.	49.715	14121	.04238	1.1740	00041	01383	. 19216		
		μi	.271	99.643	13308	.04590	20650	.00818	01714	.18730		
		M,	.304	149.570	12075	.04765	23352	.01657	01897	18181		
		=	1.1	199.010	10174	.04463	25164	.02174	01972	.17455		
		=	<u>:</u> 8	298.380	06152	.04103	27309	. 02837	01862	16284		
		ú	.229	399.070	01509	.03476	27714	.03650	01868	. 16251		
		ĸ.	88.	599, 590	. 080:3	00581	-,25518	.05748	02088	. 16837		
		₹£.		900.950	.18131	07345	20001	.06461	01471	17496		
		616		1000.100	.22925	13066	13514	.06008	01422	17038		
		Æ	PUN NO.	524/0	RN/L -	¥.:						
		×		7	3	r E	5	CYN	ď	5		
		300.450	8	10;	- 12485	.04911	19756	.05247	02729	. 16730		
		300.460	20	50.150	12046	*08*0	17152	.06199	02919	16848		
		300.440	ç	100.300	09778	.03981	23530	.07263	028GG	. 16937		
		300.490	8	150.370	06953	.03069	24533	<b>₹</b> 6180.	02733	. 16860		
		300.310		200.470	00440*-	.02333	25824	.08913	02588	. 16882		
		300.340		300.740	.00205	61900.	29735	.10390	02528	. 16832		
		300.430		409.840	.04817	01164	30111	.11517	02584	. 16615		
		300.460		600.570	.16056	07934	PE10	.10236	02226	.17593		
		300.470	-	799.830	.24131	14383	- 18495	.09078	01920	. 17441		
		300.550		999.000	. 20002.	13881	10595	.06264	02369	. 16969		
		Æ	₽.	523/ 0	RR/L	<u> </u>						
		×		2	ક	ş	Շ	CX	<b>16</b>	5		
		600.470	2	Ę.	09589	£2140.	2407B	.14380	04066	91181.		
		600.570	5	43.83¢	06458	. 03028	25905	. 15483	04201	. 18250		
		600.590		+06.66	03859	.01702	28023	. 16497	04367	18140		
		600.610		149.790	01028	÷1200°	29643	.17402	04052	18041		
		600.540		199.770	. 02006	01292	30339	. 18000	03795	. 19028		
		600.630		299.970	. 08482	04857	31157	.18066	03156	.17973		
		600.540		369.960	. 13480	08102	29736	. 16645	02728	. 18276		
		600.650		600.670	.24819	16496	21207	. 12858	02537	1.921		
		600.650		800.330	. 2480¥	18117	13889	. 08927	03058	.:6502		
		99.009		1000.100	98040.	03796	05545	.03747	00063	. 15815		

DATE 02	DATE 02 AUG 75	1413	IAI3 SOURCE DATA	₹.						•	PA0E 249
			I¥I	1413, SABISBINITH PLUMES SEPARATING FROM 09110	TH PLUMES !	SEPARATING F	FROM 09119		(RTJ163)	-	31 JUL 75 3
	REFERENCE DATA	<b>∠</b>							PARAMETRIC DATA	C DATA	
SREF LREF BREF SCALE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	XXMRP YMRP ZMRP	1052	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	<b>.</b>			MACH ALPHA DALPHA Y	4.510 .000 .5.000 400.000	PTOTAL ** BETA ** DBETA ** PCHMBR **	28.900 .000 .000 .1500.000
	Œ	RUN NO.	. 522/ 0	RN/L .	1.74						
	×		2	ટ	5	Շ	CYN	85	చ		
	900.750	50	1.28	04956	.01986	24369	.17987	05423	17617		
	9.006	0.630	50.865	~.00592	00855	P+985	19-61	<b>886</b> ′.0°-	17934		
	9.008	.610	100.160	.03901	03758	24962	71781.	#1810'-	17864		
	900.7	0.710	150.310	. 09+86	07492	24814	. 18388	04867	19771.		
	7.006	740	200.270	91841.	11225	25366	. 18656	04754	.17738		
	7.006	. 700	299.980	. 20503	15654	26294	. 18953	04542	.17017		
	600.7	.790	399.630	.23131	-,15838	20472	. 14232	03090	.16759		
	9.006	.670	599.560	23957	18609	11643	.08473	03216	91.5419		
	900.710	10	800.040	67080.	03582	05100	.03647	00267	14671		
	9.00.6	.750	999.950	8+8+0 -	. 02232	₹5200	.00120	G+000 ·	150.78		
	REFERENCE DATA	<b>«</b>							PARAMETRIC DATA	C DATA	
SPEF	2690.0000 SQ.FT.	OF TX	•	1052,5000 IN. XT				T T T T T T T T T T T T T T T T T T T	1	- 141010	8
LREF .	1290, 3000 INCHES	YHRP	•	.0000 IN. YT				_	000	HETA .	000
	1290.3000 INCHES	<b>6</b> ₩		ž				JALPHA .	-5.000	OBETA .	000
SCALE .	0100							• -	800.000	₽C+# <b>98</b>	1500.000
	æ	PUN NO.	0 /625	FR/L	1.75						
	x 7.571	1,	2 799.960	ያ <u>።</u>	CLN 08498	CY 18251	CYN . 10455	CBL 02062	CA . 18036		
	Æ	P. NO.	530/ 0	FRV.L .	ž.						
	X 300.430	20	2 799.580	CN . 06825	CLM 06533	CY 08282	CYN . 05972	CBL -,01929	CA . 1658 <b>5</b>		
	Æ	PCN NO.	5317 0	RN/L .	1.75						
	x 800.620		<b>2</b> 800.220	CN 04473	CLM .01829	CY 00525	CYN . 00301	CBL 00420	CA . 16105		
	€	PUN NO.	532/ 0	RN/L .	27.1						
	x 800.006		.z 800.060	CN 05836	CLM .02956	CY 00048	CYN 00087	CB.	CA . 16152		
									;		

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(RTJ165)	

	REFERE	PENCE DATA	¥							PARAMETRIC DATA	OATA	
SAEF LAEF BREF SCALE	2880.0000 1290.3000 1290.3000	SQ.FT.	2 × × × × × × × × × × × × × × × × × × ×	• • •	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	<b>t</b> tt			MACH ALPHA - OALPHA -	4.510 .000 -10.000	PTOTAL BETA BETA BOBETA PCHEBR -	28.800 .000 .000 1500.0001
		•	<b>3</b>	AUN NO. 533/ 0	RN/L	8.1						
		×ï	¥ ;	Z 800.130	CN 1.2625	OLM 08650	cy 18595	CYN . 10924	CE: 02273	CA . 19504		
			PER NO.	534/ 0	RN/L	<u></u>						
		300.4+0		z 799.530	CN . 12010	CL# 09942	CY 11817	CYN . 08012	CBL 02408	CA . 17138		
		•	SE NO.	RUN NO. 535/ 0	- J.W.	1.78						
		X 600.640	2	2 800.150	CN 02043	CLM 00058	CY 02521	CYN .01771	CBL 00669	CA . 15793		
		···	ĞN NÖ.	RUN NO. 538/ 0	- J/48	£.						
		× 900 . 620		2 300.210	CN 05883	CLM . 02885	CY 00050	CYN 00070	CBL . 00008	CA .181.		

E

UL 75 J		28.900	.000	000.	1500.000																																				
38) (31 JUL 75	DATA	PTOTAL -	BETA .		PCH#BR =																																				
(RTJ) (BB)	PARAMETRIC DATA	4.510	000	-10.000	<b>400</b> . 000		క	. 19921	+1161.	. 19529	. 19210	. 18534	.17054	16091	.16533	17005	.16745		క	.17085	.17188	.:7239	.17137	.17052	. 16967	. 16811	.17287	.16821	.17193		5	. 18093	. 17995	.18:13	16171	17955	.17755	17976	. 17638	. 16731	. 15719
		MACH .	ALPHA .	DALPHA -	• >		SB.	01347	01507	01620	01758	01859	02080	-,01948	01602	01311	00987		<b>8</b> 5	02391	02565	02603	02544	02510	02715	02863	02035	013+0	02456		85	03685	03768	03986	-, 04058	03989	- 03643	03166	02312	02412	20234
10H 09T10							CAN	69100.	.00399	.00387	. 00529	.01735	84420.	.03582	. 04569	.05003	.05587		CYN	54140.	.04882	.05778	6+990	.07501	. 09329	10051	14560.	.08146	.06217		CYN	. 12601	.13328	91151.	97691.	. 17995	.18073	.16316	7.8847	. 09222	.0369
IAI3, SRBISBIHITH PLUMES SEPARATING FROM 09110							Շ	-, 12983	- 13494	-, 18109	20692	24047	29275	30709	26917	19158	!2680		Ç	18326	20776	22597	24199	25654	29659	30532	25971	17606	10582		č	22880	24021	26342	29200	30965	31861	30246	23613	14958	05564
TH PLUMES SI						1.76	¥73	600%0	.04060	. 03948	.03986	.05434	. 05725	01640.	16+10	05613	13485	1.78	CLR	04640	.04820	. 04340	.03766	.03118	.01584	00555	06408	13501	15871	1.76	ક	.05696	. 03809	.02256	17110.	£7100.	02704	+.06894	14347	1786e	05408
3,5RB(58)WI		3000 IN. XT	.0000 IN. YT	447.0000 IN. 21		FBV/L .	ક	14528	13973	12911	12052	13113	11053	05390	. 05569	55471.	.24619	RN/L .	3	13120	12700	11209	09300	06896	01892	.0398	. 15113	<u></u>	.23513	BN/L	8	11159	08107	04923	02574	00304	. 05058	.11968	53072	.25634	. 96497
IAI		- 1052	•			RUN NO. 537/ 0	7	6:0.	49.923	99.944	149.863	199.400	298.780	398.360	600.150	801.180	1000.400	, 538/ 0	2	1.073	50.174	100.410	150.420	200.380	300.980	400.900	600.960	799.850	996.870	. 539/ 0	2	161	49.955	100.000	150.000	199.660	299.880	399.740	600.630	900.650	999.500
	REFERENCE DATA			1290.3000 INCHES ZHRP	.0100	RUN X	×	062	198.	752.	318.	. 367	. 206	592.	215.	.325	681	RUN NO.	×	300.610	300.410	300.500	300.470	300.430	300.510	300.500	300.460	300.440	300.520	RUN NO.	×	600.6¥0	600.520	600.590	800.920	600.560	600.660	084.009	600.660	600.590	600.630
		SREF = 26	•		SCALE -																																				

## IAI3, SAB (58) WITH PLUNES SEPARATING FROM 09110

(RTJ166) (31 JUL 75 )

PARCHETRIC DATA

4.510 .000 -10.000 400.000

MACH ALPHA B

## REFERENCE DATA

×	7	7.7	
ž	ž	ž	
1052.0000	.0000 IN. YT	447.0000	
•		•	
Š	A PRO	2762	
<b>50.FT</b> .	SHOW	INCHES	
2690.0000	LREF - 1290.3000 INCHES	1290.3000	.010.
	LREF .	BREF	SCALE .

## MUN NO. 540/ 0 RN/L = 1.76

3	17046	18007	07971	0.071	190	/CD/1.	104/11	16.61	A101.	15701
ෂ්	C##50	04953	04671	10990 -	0.00	1 1960 -	03000 -	- 02536	-, 0053B	74000.
CYN	. 18315	.18206	. 1807E	18295	18887	2055	1504	******	.04631	.00167
ò	25137	25116	25067	25644	26631	- 28959	22389	- 15994	.0660+	00346
r,	. 03655	.01023	01734	04710	07697	12109	15844	18354	070 +	.01626
8	07169	03228	.00787	.05089	.09466	.16189	.21950	617.5	₩260.	04027
2	161 -	50.405	100.390	150.410	200.220	300.250	399.780	599.8%0	799.720	999.980
×	900.040	900.740	800 . 680	900 . 180	900.620	906.570	900.690	900.800	900.780	900.770

## 1A13,SR8(SB)HITH PLUNES SEPARATING FROM 09110

	28.900 .000 .000 1500.001
DATA	PTOTAL BETA DBETA PCHEBR
PARAH TRIC DATA	4.510 .000 -10.000
	MACH ALPHA DALPHA Y

(RTJ167) (31 JUL 75 )

## RUN NO. 541/ 0 RN/L = 1.75

- 1052.0000 IN. XT - .0000 IN. YT - 447.0000 IN. ZT

4445 7446 7446

SPEF = 2890,0000 50,FT, LPEF = 1290,3000 INCHES BF F = 1290,3000 INCHES SCALE = .0100

PEFERENCE DAIA

CA 10253 14382 14411 12298 11471
CBL 02691 00041 00593 00287 00001
CYN .04726 62827 03800 01431 01292
. 53141 - 31930 - 17463 - 08784 - 02916
CLM 06872 18110 14838 13564 12130
CN . 15692 . 44406 . 34319 . 29491
2 200.280 300.210 400.140 601.150 801.010
× 84. 88. 88. 88. 80. 80. 80. 80. 80. 80. 80

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SREF ... LREF ... BREF ... SCALE ...

(RTJ167) (31 JUL 75 )

# IAI3, SRBISBINITH PLUNES SEPARATING FROM OFFIG

REFERENCE DATA	•	2 000				#ACH	PARAMETRIC DATA	DATA -	28.900
4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				ALPHA -	000.01-	BETA •	.000
						• >	.000°	PCH#8R •	1500.000
2 8	343/0	HW/L .	£						
	2	3	C.M	Ç	<b>3</b> .	CBP.	ర		
	99.949	08148	.01496	35764	. 06217	00329	14851		
	147.900	06041	.01801	45,904	.01962	.00595	14628		
	200.310	961+0	.01057	- 41256	. 01609	. 310.5	.14359		
	300.230	14641.	.01032	-, 26565	.00197	.01223	. 13821		
	400.140	. 15473	+6810	15740	00760	.00595	. 13271		
	600.020	.11679	€+800.	085+3	.00570	14400 -	. 12923		
	801.320	0.061.	07615	04817	.00895	00177	.13143		
_	000.200	. 25693	14978	02610	.00783	₹000.	. 15602		
	RUN NO. 545/ 0	RN/L	1.75						
	•	ક	CLM	Ç	C	CBL	5		
	149.290	00207	-, 00529	43326	12154	03550	12531		
	198.230	.05647	B-610	44583	9,021.	-, 00308	. 12438		
-	298.390	. 13982	03943	30566	. 08805	.00281	. 13113		
-	430.110	15899	0394¢	17020	9*6*0.	. 30250	. 13492		
_	600.009	.11812	02476	10846	.03295	0092 <b>5</b>	. 13691		
_	801.370	. 22508	13328	05378	. 02298	00395	14075		
=	000 . 100	.21954	15624	02959	.0170¥	00378			
PS NO.	0 /8%	į	1.75						
	7	ટ	CL	ڻ	CYN	<b>18</b> 5	ర		
	199.570	84441.	10322	+5387	. 24035	6,010	. 15710		
	299 020	51961.	11594	34053	17749	01824	14455		
	400.190	44061.	1024 <b>8</b>	19151	62960	00574	. 14700		
	600.020	.15388	07613	10963	.05537	01559	. 15819		
	800.460	. 24.32	17188	04634	.02950	00323	. 16332		
_	1000.100	. 02824	02963	01510	00010	.00020	*B**1.		

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## 1A13, SRB (58) HITH PLUMES SEPARATING FROM 09110

	28.900 .000 .000 1500.000																													
DATA	PTOTAL = BETA = DBETA = PCHMBR =																													
PARAMETRIC DATA	4.510 .000 -10.000		ర	.11970	. 12137	. 12202	. 14207	.14930	.15743		ర	.14788	. 14396	96481.	. 12738	.14776	14441.	.15657	.15903		5	14468	.14633	.14184	13904	.13371	.14039	. 14845	.15526	. 15645
	MACH		<b>18</b>	03777	03184	01817	00320	00588	00600		<b>8</b>	03108	02908	02302	01154	01167	01367	-, 01389	00746		9	04242	03626	03049	02770	01722	01600	02046	01145	00859
			C	子(100.	.05017	.02294	.00038	.01509	.02384		CYN	. 02680	. 02275	.01926	.00624	.01677	69440'	. 04363	14140.		N.	.04759	.03782	.04277	.05140	.04087	.04378	.08061	.05362	.03878
			Շ	33006	34506	27234	-, 18935	10691	07715		Շ	28319	27965	27581	24421	24641	19712	11945	08152		ò	22715	16715	23127	25909	24992	23014	19988	11913	06087
		1.75	5	.03158	.01368	.01020	.00739	03584	11709	1.75	F.	.00768	.00190	00615	00645	17100.	+6440	10525	17453	1.75	2	16,10	.00710	00538	01237	02243	03204	12758	16727	11361
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	FN/L	8	05211	.06610	86060.	12741	.17338	.25144	RN/L .	ટ	.01285	.02930	.05118	76780.	.07200	. 15709	. 22933	.27556	RN/L	8	04570	02111	.00100	.03237	.06664	. 08292	. 22935	. 25609	. 15322
		. 542/ 0	2	199.910	302.310	400.790	800,880	800.050	938.950	RUN NO. 544/ 0	2	100.210	150.350	200.440	301.580	399.500	800.910	799.730	1000.100	RUN NO. 546/ 0		50.407	100.021	149.010	198.220	38.940	400.080	500.370	801.090	1000.100
REFERENCE DATA	2690.0000 SO.FT. XHRP 1290.3000 INCHES YHRP 1290.3000 INCHES ZHRP .0100	RUN NO.	×	2	88	580	.380	505.	ትትፎ '	RCN NO	×	300.300	200.360	300.380	300.450	300.380	300.800	300.470	300.530	PCN NO	×	600,750	600.630	600.570	964.009	600.430	600.500	975.009	600.710	599.650
**	SPEF = 2690.00 LREF = 1290.30 BREF = 1290.30																													

.10545

CA . 14186 . 12961 . 14415

CBL -.00133 -.00726 -.00017

CYN .00811 .01694 .01681

CY -.08671 -.05427 -.03603

CLM .00**826** -.09569 -.15928

CN .06854 .18695 .24550

2 600.280 801.260 999.730

x 600.300 600.650 600.700

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RN/L

NO. 5517 0

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(RTJ169) (31 JUL 75 )

## IAIS, SRBISBINITH PLUMES BEPARATING FROM 08710

						2262								
	28.900 .000 .000			( 31 JUL 75 )		28.900 .000 .000 1500.000								
DATA	PTOTAL ** BETA ** DBETA ** PCHMBR **				C DATA	PTOTAL BETA 08ETA 08ETA PCHYBR 0								
PARAMETRIC DAYA	4.510 .000 .000 .000		. 14791 . 12827 . 14931	(RTJ170)	FARAMETRIC DATA	4.510 .000 -20.000 200.000		CA . 12150 . 11005		CA .13563 .13656		CA .14117 .14674 .14470		CA .14549 .16209
-	MACH ALPHA DALPHA Y		CBL 00706 00432			ALPHA -		CBL 09155 03624 00908		CBL 00631 01119 00713		CBL 01500 01494 01469		CBL 02297 01167 00.52
			. 03131 . 03331 . 01989	10H 09T10				CYN . 07548 . 05499		.03151 .03496		CYN . 06688 . 05324		CYN .06981 .07021
			CY -,08820 -,05927 -,03088	1A13,5RB(58)WITH PLUMES SEPARATING FROM 09710				CY 30656 19924 11951		CY 19159 13195 09900		CY 19493 13053 09158		CY 16139 10998 04884
		1.73	CLM -,03064 -,15069 -,11080	TH PLUMES SI			27.1	CLM 29417 25142 19449	27.1	CLM .00376 07122	1.75	CLM 09597 14566 15849	1.75	CLM -,10224 -,16268 -,06402
	1052.0000 IN. XT .0000 IN. YT .47.0000 IN. ZT	RN/L .	CN ,08858 ,22385	1,588(58)WI		1052.0000 IN. YT .0000 IN. YT 447.0000 IN. ZT	RN/L -	CN .49800 .43026 .33699	RN/L	CN .07877 .18032	RN/L	CN . 19432 . 24203 . 22627	RN/L	CN .17941 .23347 .07437
		. 552/ 0	2 600,250 800,240 999,150	IAI		- 1052	. 556/ 0	7 20 77 86	. 555/ 0	2 600.430 801.130 1001.400	. 554/ 0	2 600.150 800.770 999.140	. 553/ 0	2 800.290 800.890 999.890
ATA	XXM8P	PCN NO.	3.870 3.780 3.740		DATA	. XHEP 5 YHEP 5 ZHEP	PUN NO.	× .370 .320	RUN NO.	x 00.340 00.540	PUN NO.	x 30.720 31.020	RUN NO.	X 800.430 900.720 900.760
REFERENCE DA	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100		× 900. 900.		REFERENCE DATA	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES.				× 00 00 00 00 00 00 00 00 00 00 00 00 00		× 009		<b>6.6</b> 6
	SREF LREF BREF SCALE					SPEF BPREF SCALE								

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SOURCE DATA	
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DATE 02 AUG 75

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## 1413, SRB (58) WITH PLUNES SEPARATING FROM 09710

## (873171) (31 JUL 75 )

PARAMETRIC DATA	4.510 PTOTAL = 28.900 .000 BETA : .000 -20.000 DBETA : .000 400.000 PCHHBR : 1500.000		ž	, 15207 1808u	. 15329		*3	.17212	.16686 .15745		<b>4</b> 2	92171	15754	.15050		<b>Y</b> 0	. 16670	.15104	15089	(RTJ172) (31 JUL 75 )	PARAMETRIC DATA	*.510 PTOTAL * 28.900 .000 BETA * .000 -20.000 DBETA * .000 800.000 PCHMBR * 1500.000		CA · 18552
•	MACH ALPHA DALPHA T		<b>e</b> 5	04687	010₹		<b>18</b> 5	01692	01805		ĕ	01790	01722	01867		æ	01744	02222	00119		ď	MACH ALPHA DALPHA		CBL 02283
			CH	. 07465	64950		CYN	. 08289	.07859		N.C	11501	11560	.05915		CYN	11747	.06778	.01478	90H 09710				CYN . 12023
			Շ	30222	- 14994		Շ	- 24684	-, 18501		չ	-,23186	16312	09095		Շ	18192	+.09674	02175	IAI3,588(SB)HITH PLUMES SEPARATING FROM 09T10				CY 21419
		£ :	C.H	78180	- 11195	£ :	r T	01935	101% 14698	ž.	<b>E</b> 73	10117	16658	11928	1.74	P.	:5032	14006	00519	TH PLUMES SI			£.:	CLM 0769
	1052-8000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L .	8	64819.	.22316	RN/L .	ટ	02860.	. 20399	RN/L	ટ	.17916	.24676	. 15340	RN/L	ટ	.21678	.17558	-,01085	3,548(58)HI		052.0000 IN. XT.0000 IN. YT	RN/L .	CN . 12761
	• • •	io. 557/ 0	2	800.310 860.860	999.700	0. 558/ 0	2	600.009	998.950	0. 559/ 0	2	600.730	801.130	999.180	0. 560/ 0	2	599.500	799.510	1000.200	IAI			3. 561/ 0	2 600.550
REFERENCE DATA	SPEF = 2690,0000 \$0,FT XPBP LPEF = 1290,3000 INCHES 7PFP SPEF = 1290,3000 INCHES ZPFP SCALE = .0100	RUN NO.	×	505.	282	RJN NO.	×	300.350	300.400	RUN NO.	×	600.540	600.580	600.600	RUN NO.	×	900.750	900.660	900.006		REFERENCE DATA	SREF = 2690.0000 SQ.FT. XHRP LREF = 1290.3000 INCHES YHRP BKEF = 1290.3000 INCHES ZHRP SCALE = .0100	RUN NO.	ов 60 7

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2-0000 IN. XT	IAI3 SOURCE DATA IAI3,SRBISB)HITH PLUNCS SEPARATING FROM 08710
11.74  CLM CY CYN CBL CALPMA - 1.000 BETA - 1.000 BETA - 1.000 BETA - 1.000 BETA - 1.000 BETA - 1.000 BETA - 1.000 BETA - 1.000 BETA - 1.000 BETA - 1.000 BETA - 1.000 CBL CALPMA - 1.000 BETA - 1.0000 CBL CALPMA - 1.000	DATA
1.7%  CLM CY CYN CBL CA1101313934 .09999722301 .17346  1.75  CLM CY CYN CBL CA0377905014 .0356701326 .15652  1.75  CLM CY CYN CBL CA .0270800199 .0003900036 .15652  OPLUES SEPARATING FROM 09710 ALPHA - 0.000 BETA - 100 ALPHA - 0.000 BETA - 5.000 OBETA - 5.000 CBTA - 5.000 OBETA - 5.000 OBETA - 5.000 OBETA - 5.000 OBETA - 5.000 OBETA - 5.000 OBETA - 5.000 OBETA - 5.0009	XMRP = 1052.0000 IN. XT YMRP =
CLM CY CYN CBL CA1101313934 .0999992301 .17346  1.75  CLM CY CYN CBL CA0377905014 .0358701326 .15652  1.75  CLM CY CYN CPN CBL CA0270800199 0003900036 .15652  CLM CY CYN CPN CBL CA002700027000270 .00061 .17319  CLM CY CYN CBL CA0027000370 .00041 .174120032800052800123 .17329032800052800123 .17329032800052800123 .17329033820073800133 .17329033920073900139 .17329033920073900139 .17329033920073900139 .17329033920073900139 .17329033920073900139 .17329033920073900189 .00073 .17329	RUN NO. 562/ 0 RN/L
CLM CY CYN CBL CA0377905014 .0356701326 .15652  1.75  CLM CY CYN CBL CA0670806196 .0003900036 .15950  /O PLUFES SEPARATING FROM 09710 RACH - 4.530 PTOTAL - 110 ALPHA - 0.000 BETA - 100484 .00061 .17379  CLM CY CYN CBL CA0052800234 .00072 .17412035010038300374 .00061 .17412035010038300374 .00061 .17450035020052800134 .00012 .104560310800134 .00012 .00033 .1752603302 .00139 .00012 .00033 .1730903302 .00139 .00012 .00033 .17306033302 .00139 .00012 .00033 .17309	X Z CN 300.300 799.620 .14484
CLM CY CYN CBL CA0377905014 .0356701326 .15652  1.75  CLM CY CYN CBL CA .0270600196 .0003900036 .15950  OPLUES SEPARATING FROM 09710 ALPHA - 0.000 BETA - 1000  OBETA - 5.000 OBETA - 5.000 OBETA - 5.000 OBETA - 5.000 OBETA - 5.000 OBETA - 5.000 OBETA - 5.000 OBETA - 5.000 OBETA - 5.000 OBETA - 5.000 OBETA - 5.000 OBETA - 5.00058	RUN NO. 583/ 0 RN/L -
CLH CY CYN CBL CA  .0270800196 .0003900036 .15950  /O PLUFES SEPARATING FROM 09710	X Z CN 600.510 799.970 .02875
CLM CY CYN CBL CA .0270800196 .0003900036 .15950  PARAMETRIC DATA  HACH - 4.530 PTOTAL - 110 ALPHA - 0000 BETA - 5 DALPHA - 5.000 BETA - 5 DALPHA - 5.000 BETA - 5 DALPHA - 17379  CLM CY CYN CBL CA .035280037000454 .00061 .17379 .035810058200274 .00073 .17522 .0359500738 .000161 .17335 .0330800134 .00012 .00033 .17522 .0330800134 .00012 .00033 .17335 .0330800134 .00012 .00033 .17336 .0330800134 .00012 .00033 .17336 .0330800137 .00012 .00033 .17336 .0330800134 .00012 .00033 .17336	RUN NO. 5647 9 RN/L
######################################	X Z CN 800.600 800.41005613
6.57  CLM CY CYM CBL CA  . 000 BETA = 110  ALPHA = . 000 BETA = 5.000  OBETA = 5.	IA13 SRB(SB)
6.57  CLM CY CYM CBL CA .000 BETA = 110 DALPHA = .000 BETA = 5.000 DALPHA = .000 DETA = 5.000 DALPHA = .0000 DETA = 5.000 DALPHA = .0000 DETA = 5.000 DALPHA = .000 DETA = 5.000 DALPHA = .000 DETA = 5.000 DALPHA = .0000 DETA = .0000 DALPHA = .00000 DALP	DATA
6.57  CLM CY CYN CBL CA .0352800370001740004117412 .03469007500015017412 .032690075000150001531752 .03090075000160001531752 .03109001340001200311735 .031090013400012000311735 .0339200137001690007317296	XMRP = 1052.0000 IN. XT
1 CY CYN CBL 16280037000454 .00061 15310038300374 .000041 17850052800237 .00008 178500580016100072 178600738 .00075 .00031 178800134 .00012 .00073 17880013400189 .00057	- 447.0000 IN.
CY CYN CBL  2280037000454 .00061  3910038300374 .00061  85500528002374 .00008  220005280016100072  959007500016000153  94900738 .00075 .00031  9800134 .00018 .00073	RUN NO. 565/ 0 RN/L -
00370004540061 003830037400091 005220053400008 005020015100108 007380013800031 0013900031 0013900033	Z CN
0036300274 .00009 0052800274 .00009 005290015100175 00738 .00075 .00173 00738 .00175 .00073 00734 .00018	98.
.034650052200234 .00008 .03220005280016100072 .02959007500012000153 .030480073800075 .031080013400012 .033920019700189	50.152
006280016100072 007500010000153 0073800073 001380001 001300001 0010000100	99.967
	149.240
	200.000
.0310800134 .00012 .00173 .00173 .00373 .	
	.223 600.21006551

The calculation of the calcula	6.59 6.59 6.57 6.57 6.509 .03389 .03389 .03389 6.59 6.59 6.59 .03138	CY	CYN CO376 CO377	MACH    ALPHA    DALPHA    Y    CBL    .00083   .00083   .00079   .00079   .00076   .00057   .00057   .00057   .00057   .00057   .00057   .00057   .00061   .00041   .00041   .00041   .000041   .000041   .000041   .000041	(RTJ173) PARAMETRIC CATA 9,000 BETA 5,000 BETA 5,000 PCHM 1,7315 1,7355 1,7355 1,7355 1,7355 1,7355 1,7315 1,7315 1,7315 1,7315 1,7315 CA 5,000 BETA 5,000 PCHM 5,000 PCHM 5,000 PCHM 5,000 PCHM 5,000 PCHM 5,000 PCHM 5,000 PCHM 5,000 PCHM 5,000 PCHM 5,000 PCHM 5,000 PCHM 5,000 PCHM 5,000 PCHM 5,000 PCHM 5,000 PCHM 5,000 PCHM 5,000 PCHM 6,17431	88 - 10 A - 10 A - 10 A - 5 BR - 5	
.271 150.380 - 05982 .228 200.380 - 06135 .372 399.600 - 06418 .372 399.610 - 06614	. 03393 . 03393 . 03397 . 03406	-000347 -00048 -000189	. 00007 - 00007 - 00189	. 00001 . 00001 . 000557	17350 17350 17310 17316 17336		

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1A13 SOURCE DATA

# 1A13 SRB(SB) W/O PLUMES SEPARATING FROM 09110

	10.000	.000	.000	. 000										
	10		'n											
DATA	PTOTAL -	BE !A	<b>DBETA</b> •	PCH#88 .										
PARAMETRIC DATA	4.530	000	5.000	200 . 000		₹5	.17301	. 17303	17308	. 17299	.17287	.17325	.17330	. 17299
	HACH	ALPHA -	DALPHA .	• >		8	.00057	.00057	.00057	.00057	.00057	.00°5B	.00059	. 00058
						CYN	00190	00191	00190	00191	00190	00192	00191	00192
						5	,00200.	.00208	.00204	.00208	.00203	.00211	.00206	.00211
					8.39	5	.03391	.03392	.03391	.03389	.03385	.03392	Enr.0.	.03387
	1052.0000 IN. XT	0000 IN. YT	447.0000 IN. 2T		RN/L .	3	06570	06570	06567	06560	06552	06566	06570	06555
	•	•			0 /693 .	~	- 943	49.740	99.704	149.790	199.830	299. 30	400.480	601.830
₹	XHRP				PUN NO.		069	20	8	01,	20	ရှိ	96	010
REFERENCE DATA	.F1.	SHUZ	INCHES		u.	×	900.690	9.006	900.7	900.7	8.006	900.7	900.690	900.510
REFE	2690.0000 SQ.FT.	1290.3000	1290.3000	.0100										
	•													
	٠ پر	LAEF	BREF.	SCALE										

(RTJ175) (31 JUL 75 )	PARAMETRIC DATA	• 4.530 PTOTAL • 110.000 • .000 BETA • .000 • 5.000 DBETA • 6.000 • 400.000 PCHHBR • .000
		MACH ALPHA O
1A13 SRB(58) W/O PLUMES SEPARATING FROM 09110		- 1052.0000 IN. XT .0000 IN. YT - 447.0000 IN. 27
	<b>*</b>	XHRP YHRP ZHRP
	REFERENCE DATA	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES
		SPEF .
		SCAL SEC

₹ 8	. 567/ 0	RN/L -	96.5				
	~	ક	r U	5	Š	8	5
	<u>.</u>	06497	.03306	65100.	00133	.00017	.17332
	50.035	06493	.03298	44100·	00135	60000.	.17351
. 210	98.982	06507	.03307	.00158	B+100	.00013	.17334
	149.970	06573	.03381	<b>1</b> 00.	0017£	. 00038	17321
	200.140	-,05820	.03402	.00200	-,00189	.00058	17321
	300.110	08621	.03402	.001 <del>94</del>	00188	. 00056	.17331
	399.920	06620	.03403	.00≥04	00190	.00057	.17337
	599.820	06621	.03403	76100	- 00188	AR000	1712

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(RTJ175) (31 JUL 75 )

## IA13 SRB(58) M/O PLUMES SEPARATING FROM 09TIO

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	.000										
C DATA	PTOTAL BETA DBETA PCHMBR										
PARAMETRIC DATA	530 .000 5.000		క	.17310	.17333	.17316	.17323	.17313	.17314	.17308	.17319
	MACH ALPHA BOALPHA T		평	.00058	.00058	.00058	.00057	.00058	.00058	.00058	.00058
			CAN	00191	00192	00192	00190	00191	00192	00191	00192
			ò	. 00208	.00208	.00209	.00203	. 00205	.00210	.00207	.00509
		6.38	£	.03389	.03393	.03391	.03392	.03389	.03388	.03387	.03390
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L	3	96584	06573	06567	06565	06563	05564	06557	06563
	• • •	5. 570/ 0	2	-, 392	48.655	99.467	149.610	199.300	293, 800	00.430	598.720
REFERENCE DATA	SPEF = 2690.0000 SQ.FT. XMRP LPEF = 1290.3000 INCHES YMRP BPEF = 1290.3000 INCHES ZMRP SCALE = .0100	RUN NO.	36	062.006	010.006	089.006	000.006	008.006	000.006	022.006	0+0.106

## 1A13 SRB(SB) M/O PLUMES SEPARATING FROM 09710

(RTJ176) (31 JUL 75 )

PARAMETRIC DATA	000 BETA	
	HACH ALPHA BOALPHA T	
	X X X X X X X X X X X X X X X X X X X	
	XHRP = 1052.0000 IN. XT YHRP = .0000 IN. YT ZHRP = 447.0000 IN. ZT	
ITA	XMRP YMRP ZMRP	
REFERENCE DATA	SPEF = 2690.0000 50.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	
æ	2690.00 1290.30 1290.30	
	SPEF BREF SCALE	

.000 .000 .5.000

3	NO. 575/ 0	- 7/ <b>N</b> E	6.60				
×	7	ક	ş	Ç	Z.	ਛ	5
K,	- 278	05370	.02562	02869	.01253	000 <b>8</b>	.17487
380	49.653	05127	.02435	02519	¥0110°	00072	.17513
563	99.618	04958	.02327	02018	71600.	00072	17461
338	149.530	05014	.02348	01637	.00821	00071	77871.
1. 1.0.	199,880	05314	.02526	₹110	.00631	E+000'-	.17301
9	300.110	06115	.03105	00361	.00175	.00083	.17230
518	399.820	06366	.03230	71000.	00051	.00065	.17252
8	600.180	16290	.03398	.00198	00186	.00056	.17287

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	.000 .000 -5.000		r 7 <b>3 )</b>	.000 .000 -5.000
DATA	PTOTAL = BETA = DBETA = PCHMBR =		(RTJ177) ( 31 JUL 75 HETRIC DATA	PTOTAL BETA BETA BETA BETA BETA BETA BETA BETA
PARAMETRIC DATA	4,530 .000 5,000 200,000	CA . 17203 . 17229 . 17269 . 17292 . 17321 . 17324	(RTJ177) Parametric data	4.530 .000 5.000
	MACH ALPHA - OALPHA -	CBL .00056 .00057 .00057 .00057 .00057		MACH ALPHA DALPHA Y
		CYN0018700189001870018900188	OH 09110	
		.00187 .00187 .00196 .00196 .00199 .00199	PARATING FR	
		6.60 CLM .03394 .03402 .03401 .03402 .03402 .03403	P.UMES SE	
	1052.0000 IN. XT .0000 IN. YT 447.00C0 IN. ZT	CN CN 06584 06589 06595 06594 06594 06603	IAI3 SRBISB) M/O PLUMES SEPARATING FROM 09110	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT
	• • •	2 . 059 .50 . 165 100. 070 150 . 041 290 . 290 399 . 290	1413	.052.0
4	XMRP YMRP ZMRP	740 690 740 500 640 620 620 620	2	XHBP YHRP ZHBP
ENCE DATA	SO.FT. INCHES INCHES	800,620 900,630 900,730 900,730 900,670 900,620	ENCE DATA	80.FT. INCHES
REFERENCE	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES.		REFERENCE	2690,0000 50.FT. 1290,3000 INCHES 1290,3000 INCHES .0170
				# # # #
	SREF LRET BREF SCALE			SPE? LREF BREF SCALE

2	NO. 578/ 0	RN/L	6.60				
×	2	8	g.	Շ	CYN	평	ర
.369	. 102	06312	.03182	61000	00001	00005	.17311
. 233	50.165	06303	.03170	.00012	0002	00019	.17305
. 346	100.170	06323	.03178	.00068	00070	0005€	. 17278
#IE.	150.110	06419	.03249	.00139	00135	00007	. 17240
. 155	200.170	06577	.03378	16100.	00182	94,000	.17240
852	300.110	06594	.03399	.00196	00187	.00056	. 17278
. 123	400.120	06605	.03403	.00195	00187	.00056	. 17295
309	599.680	06595	.03399	.00199	00187	.00056	17292

DATE OF AUG 75	1413 5	IAI3 SOURCE DATA							ď	PAGE 263
		[A13	IAI3 SPBISB) W/O PLUMES SEPARATING FROM 09T10	PLUMES SEF	ARATING FR	IOH 09710		(RTJ177)	7) (31 JA	UL 75 )
REFERENCE DATA	¥.							PARAMETRIC DATA	DATA	
SPEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	SHIP SHIP SHIP	. 1052.0009 .0000	1052.0009 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA DALPHA Y	4.530 .000 5.000 400.004	PTOTAL BETA OBETA PCHEBR	.000
_	RCN NO.	572/ 0	RN/L . 6	6.60						
>0		7	Š	ج ا	ដ	CM	<b>18</b> 5	క		
900.510	510	. 162	06591	.03400	96100	00188	.00057	.17315		
900.570	570	50.201	06591	.03401	96100	00188	.00057	17314		
900.660	999	986.66	06592	.03401	.00200	-,00188	95000.	.17318		
900.630	630	149.970	08394	.03401	. 00199	00188	.00057	.17318		
019.006	610	200.010	06596	.03403	.00198	00187	.00056	.17324		
900.570	570	300.420	06598	.03402	.00199	00189	. 00057	.17315		
900.580	580	399.570	06587	.03398	. 00202	00189	.00057	. 17300		
900 - 220	260	600.140	0659 <b>8</b>	.03402	.00201	00188	. 00056	.17322		
		1413	IAI3 SABISBI H/O PLUMES SEPARATING FROM 09710	O PLUMES SE	PARAT ING FE	70H 09710		(RTJ178)	(3) (3) JUL 75	æ አ ኦ
REFERENCE DATA	Ž.							PARAMETRIC DATA	DATA	
										6
SPEF = 2690.0000 SQ.FT.		1752.0	1952.0000 IN. XT				ALPHA .	000°.	PTOTAL .	000.
	24.2	447.0	447.0000 IN. ZT				DALPHA = Y	5.000 .000	DBETA = PCHMBR =	-5.000 .000
		57%/ 0	RN/L .	6.58						
×	.307	2 399.9₩0	CN 05614	CLM . 02874	CY 00241	CYN . 00058	CBL . 00078	CA . 17284		
•	1.39	600.230	06594	.03399	£6100.	00186	. 00057	.17265		

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CA .17296 .17304

CBL .00056 .00057

CYN -.00198 -.00188

CY .00202 .00201

CLM .03400 .03398

FN/L = CN -. 06598

2 398.0%0 600.090

X 900.600 900.670

8.58 8.58

X Z .307 399.940 .139 600.230 RUN ND. 573/ 0

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(RTJ179) (31 JUL

## .000 -10 -000 .000 . -10.000 000.011 110.000 (RTJ180) (31 JUL 75 BETA - DBETA - PCHIBR -BETA • DBETA • PCHEBR . PT0TAL PTOTAL PARAMETRIC DATA PARAMETRIC DATA 530 .000 5.000 CA .17324 .17208 .17202 4.530 .000 5.000 .17242 .17244 .17238 .17248 .17256 .17264 .17255 .17227 .17205 .17238 .17238 CA . 17234 MACH ... ALPHA ... DALPHA ... .00103 .00102 .00074 CBL .00056 .00055 .00055 .00056 .00056 .00055 CBL -.00082 -.00043 -.00032 .00021 .00055 MACH ALPHA DALPHA .00965 .00481 .00040 .00329 .00329 .00129 .00025 -.00108 -.00186 -.00186 -.00185 CYN -.00186 -.00186 -.00187 IAI3 SABISBI M/O PLUMES SEPARATING FROM 09710 1A13 SRB(SB) M/O PLUMES SEPARATING FROM 09T10 CY .00194 .00197 .00197 .00197 .00200 .00195 -,00459 -,00313 -,00065 -,00065 -,00098 -,00191 CY -.01998 -.00167 -.00116 CLM .03365 .03364 .03365 .03367 .03367 .03367 CLM .02873 .03010 .03105 .03105 .03399 CLM .01925 .02769 .03104 .03394 6.63 6.63 9. 80. - 1052.0000 IN. XT - .0000 IN. YT - 447.0000 IN. ZT - 1052.0000 IN. XT .0000 IN. YT - 447.0000 IN. ZT -.06136 -.06136 -.06237 -.06462 -.06593 -.06596 -.06597 -.06549 -.06549 -.06550 -.06550 -.06556 -.0655**6** -.04299 -.05578 -.06554 -.05925 ž - 7/NB RUN NO. 577/ 0 .135 50.113 100.150 149.850 578/ 0 99.807 149.880 199.860 299.840 400.090 582/ 0 200.020 300.340 460.030 599.950 -,178 49.870 2 199.930 4 14 8 P ₹ ¥ R.N. NO. œ X 302 258 415 476 492 594 594 900 .520 900 .720 900 .640 900 .690 900 .690 900 .550 900 .450 Š REFERENCE DATA REFERENCE DATA 2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100 2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100 SCALE . SCALE . SCALE . . SOREF - STALE

-.06176 -.06589

300,750 399,900 600,100

21.5 21.4 070

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1413	IAI3 SOURCE DATA	4						ď	PAGE 265
	₹.	1A13 SAB(58) H	SPBISB) W/O PLUMES SEPARATING FROM 09110	PARATING FI	ROM 09110		(817)180)		( 31 JUL 75 )
MTA							PARAMETRIC DATA	DATA	
de 30		1052.0000 IN. XT				HACH BHA	4.530	PTOTAL -	000.011
2		447.0000 IN. ZT				DALPHA -	3.000	DBETA -	-10.000
						• >	200.000	PC:#HBR	. u00
RUN NO.	0 /185 .	RN/L	6.62						
	2	ટ	£	5	Š	<b>8</b>	ర		
.670	.430	06545	.03353	.00208	00198	.00053	.17112		
0+9.	50.010	•	.03362	.00206	00194	.00055	. 17133		
.670	100.100	06552	.03381	.00201	00190	.00056	. 17133		
.630	150.010	06548	.03362	.00196	00186	.00055	17159		
.480	199.010	06551	.03363	.00198	00187	.00056	17189		
.510	299.610	06555	.03366	.00193	00185	. 00055	.17235		
.600	398.950	06551	.03367	.00195	00186	.00055	.17256		
064.	600.210	06558	.03369	.00195	00186	95000.	19271.		

REFERENCE DATA

DATE 02 AUG 75

SAEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100

x 900.670 900.640 900.630 900.480 900.510 900.600

•			₹	13 588(58)	1413 SRB(SB) M/O PLUNES SEPARATING FROM 09110	EPARATING F	POH 09110		IRTJII	(RTJ(B1) ( 31 JU, 75	J. 25 .J.
J3W	REFERENCE DATA								PARAMETRIC DATA	DATA	
	2690.0000 SG.FT.	SE X	- 1052	1052.0000 IN. XT	X			÷	4.536	PTOTAL -	110.600
	10 INCHES	YMRR	•	.0000 IN. YT	۲۲			ALPHA .	.000	BETA .	000
BHEF - 1290.300	O INCHES	2180	- 447	447.0000 IN. 27	7.2			DALPHA .	5.000	DBETA .	-10.000
	0							• >	000	PCHERR .	000
	•	PUN NO.	579/ 0	PN/L	<b>6</b> .62						
	×		14	ટ	2	Շ	Š	된	క		
	-		399.820	05160		00300	.00065	00000	. 17256		
	J.	650.	600.190	06562	.03370	.00100	00181	95000.	. 17244		
	<b>u</b> .	9 3	RUN NO. 580/ 0	PN/L	6.62						
	×		2	ઢ	G	ò	K.	. <b>#</b>	క		
	990.700		399.820	06553	.03366	. 00193	001 <b>65</b>	.00055	.17218		
	900.520	_	800 · 060	06557		<b>36100</b>	001 <b>85</b>	.00056	. 17250		

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(RTJ182) (31 JUL 75 )

	9.G)	REFERENCE DATA								PARAMETRIC DATA	C DATA		
SAEF - 24 LREF - 15 BREF - 25 SCALE -	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	SQ.FT. INCHES INCHES	XHRP XHRP ZHRP	. 1052.	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. Z7				MACH ALPHA DALPHA T	4.530 .000 5.000	PTOTAL = BETA = DRETA = PCHMBR =	110.000	
		€	<b>35</b> 80.	0 /Las	RN/L .	6.6							
		x Wing	45. 05.8	2 399.940 599.880	CN 04753 06544	CLM .02216 .03361	CY 00756 .00197	CYN .00422	CBL .00100 .00057	CA .17136 .17172			
		Œ	PUN NO.	583/ 0	RN/L .	19.61							
		× 900.370	07	2 .803	CN 1.0592	CLM .02812	CY 00685	CYN 00497	CBL	CA 15700			
		900.2		50.596	06381	.03234	00+09	.00285	₩9000	16928			
		900.2		149.980	06507	.03327	62100	C9000.	06000.	17003			
		.8.63	_	096 661	06540	.03359	.00210	00198	.00055	.17115			
		999.600	-	299.730	06552	.03363	96190.	00186	.00056	.17165			
		900.770		399.940	06562	.03369	<b>€</b> 100 .	00186	. 00055	. 17235			
		899.250		600.420	06553	.03366	₹6100·	00186	.00056	. 17244			
				[A]	/H (8S)8WS	O PLUMES SI	IAI3 SRB(SB) W/O PLUMES SEFARATING FROM 09710	ROM 09710		(RTJ183)	B) (31 JUL 75	ر الا تا	
	REFERENCE	ENCE DATA	_							PARAMETRIC DATA	DATA		
SPEF = 266 LPEF = 124 BPEF = 124 SCALE =	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	. 40. 10	23.45 23.45 23.45 23.45 23.45 23.45 23.45 23.45 23.45 23.45 24.45	. 1052.00	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA DALPHA Y	000.2 000.2 000.004	PTOTAL BETA BETA BOCHMER	. 000 -20.000 -20.000	
		£	RUN NO.	0 /889	BN/L .	6.61							
		×		2	ક	5	Շ	CY.	85	5			
		.538		299.040	05708	.02732	00574	. 00389	-0000	.17036			
		.039 610	_	399.960 500.230	06563 06554	.03368	.00500.	00191 00185	.00056	17159			

PAGE 267	₹ 5	DATA	PTOTAL • 116.000 BETA • .000 DRETA • -20.000 PCHMBR • .000										(31.04.75.)	DATA	PETAL = 110.000 BETA = .000 DBETA =0.000 PCH**BR = .000					
Edu To	900	PARAMETRIC DATA	4.530 .000 5.000 400.000		5	. 16955	17140	50271.	1.17821	. 17226	. 17226	.17231	(RTJ184)	PARAMETRIC DATA	4.530 .000 5.000		క	.17280		CA . 17156 . 17228
			MACH ALPHA BOALPHA P		<b>18</b> 5	. 00036 88000	. 00057	.00056	.00056	.00056	95000.	.00056			MAC		<b>5</b>	. 00070 . 00059		CBL . 02056 . 00056
Š	NOW OUT IS				CAN	92.00.	06100	00188	00187	00198	00187	00187	ROH 09110				Z.	00120		CYN 00186 00187
,	IAI3 SABISBI W/O PLUMES SEPANATING FROM 09710				ç	. 00105.	00509	.0900	.00203	.00204	+0≥00.	¥0≥00°	1413 SRB(SE) W/O PLUMES SEPARATING FROM 09110				Շ	0015/ 00147		. 00199 . 00107
	1/0 PLUNES S			6.61	r,	.03269	03357	.03366	.03366	.03364	.03365	.03366	70 PLUMES S			6.60	5	.034 <b>29</b>	6.63	CLM .03365
4	1 (85)885 E		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	FN/L .	8	06502	- 06563	06557	06552	06549	06549	06552	M (35)885 E		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	- 1/AB	ટ	04247 06228	RN/L	CN 06557 06553
IAI3 SOURCE DATA	Ž		1052 1789 • 1052 2789 • 447	RUN NO. 584/ 0	2	. 135		_	,,,		400.470	599.790	141		XMRP = 1052. YMRP = . ZMRP =	RUN NO. 586/ 0	7	399. 790 600. 100	RUR: NO. 585/ 0	2 399.900 600.380
DATE OF AUG 75		REFERENCE DATA	SAEF = 2690.0000 SQ.FT. X LAEF = 1290.3000 INCHES Y BREF = 1290.3000 INCHES Z SCALE = .0100	N. C. C. C. C. C. C. C. C. C. C. C. C. C.	×	900.120	067.006 067.006	900.730	900.820	901.050	009.006	0001006		REFERENCE DATA	SARE - 2690.0000 SO.FT. XI LREF - 1290.3000 INCHES YI BARE - 1250.3000 INCHES ZI SCALE	N. M.	×	610·	5	019:006 019:006

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(RTJ185) (31 JUL 75 )

## 1A13 SRB(SB) W/O PLUMES SEPARATING FROM 09110

	. 000 . 000 5. 000												L 25.		000.000 .000 5.000										
DATA	PTOTAL ** BETA ** OBETA ** PCHMBR **												6) (31 JUL 75	DATA	PTOTAL BETA BETA BCHAMBR B										
PARAMETRIC DATA	4.530 .000 .5.000		ర	. 17367	.17376	17399	.17422	. 17383	.17195	.17184	. 17222	.17223	(RTJ186)	PARAMETRIC DATA	4.530 .000 -5.000		ర	.17389	. 17372	.17307	. 17273	.17186	.17183	17209	.17193
	HICH - A HA - DALPHA - Y		<b>18</b>	-,00229	- 00 i 2 J	-,00189	00192	00276	. 90101	.00057	.00056	. 00055			MACH ALPHA DALPHA Y		95	00061	00081	00098	00086	₹0000.	.00.63	.00055	. 00054
			CAN	.00037	. 00055	.00143	.00262	. 00413	.00350	00166	00184	00184	00H 09T10				CYN	+6500.	.00503	. 00455	.00381	.00162	00050	00184	00183
			Շ	01233	-,01357	01626	01933	01833	00844	.00169	.00192	.00186	EPARATING FE				ç	01017	00917	00830	00693	00332	01000.	.00188	.00186
		6.63	£	.02889	94020.	. 02953	.02887	.02154	.02776	.03306	.03371	.03371	1413 SRB(SB) W/O PLUNES SEPARATING FROM 09T10			6.63	5	. 02992	.02811	.02704	. 02722	.03158	.03250	. 03369	.03364
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RR/L .	8	06108	06196	05903	05516	04 <b>092</b>	05392	06481	06565	06569	3 SRB(SB) H		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L -	ક	08044	05799	05660	05695	06248	06408	06566	06558
	• • •	0 /899 0	7	50.044	99.533	148.850	200.230	300.010	402.050	601.120	800.450	1000.0001	'A1			0 280/ 0	2	50.362	100.460	156.250	200.110	300.150	399.600	599.190	799.550 1000.000
DATA	XMRP	PUN NO.		.237		162	5.	\$ \$ \$	.203	.437	408	555		DATA	ATT COMMENT	RUN NO.		218	426	234	375	386	ŧ,	992	355
_	A.FT.		×	•		•	•	•	•	•	•	•			30.FT. INCHES INCHES		×	•	•	•	•	•	•	•	
REFERENCE	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES .0100													REFERENCE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100										
															1.0										
	SREF LREF BREF SCALE														SAEF LREF BREF SCALE										

## IAI3 SAB(SB) M/O PLUMES SEPARATING FROM 09TIO

H 09T10 (31 JUL 75 )	PARAMETRIC DATA	MACH = 4.530 PTOTAL = 110.000 ALPHA = .000 BETA = .000 DALPHA = -5.000 CHETA = 5.000 Y = .000 PCH-BR = .000
1A13 SABISB) M/O PLUNES SEPARATING FROM OBTIO	REFERENCE DATA	SPEF = 2896.0000 50.FT, XMPP = 1C32.0000 IN. XT LPEF = 1290.3000 INCHES YMPP = .0000 IN. YT BMEF = 1290.3000 INCHES ZMPP = +47.0000 IN. ZT SCALE = .0100

RUN NO. 591/ 0 RN/L . 6.64

₹	- 1 <b>-75  </b> .	41461.	94461.	.17479	. 17452	.17259	.17258	. 17274	. 17267		<b>5</b>	.17310	.17269	. 17307	. 17270	. 17240	.17225	. 17275	.17303	.17281	.17296
<b>18</b>	00233	00160	00190	00192	00278	10100.	.00056	.00055	.00054		평	00236	.00003	98000.	- 0000	+8000	.00057	.00055	. 00055	.00055	.00055
CX	.00038	.00050	.00139	.00237	*D*00·	. 90387	00167	00188	00198		CYN	.00578	.00476	24400·	. 00425	.00284	00165	00191	16100 -	00192	16100'-
Շ	01213	01323	01604	01872	01827	00841	. 00179	.00202	.00295		ζ	00912	00792	007∄	00675	00437	.00179	.00210	.00213	.00215	.00210
r G	. 02902	.03066	57650.	.02930	.0220.	.02803	.03328	.03395	.03353	6.64	CL#	. 02085	. 02909	.03233	.03151	92020	.03351	.03391	.03391	.03390	.03392
ž	06117	05210	05925	05586	04140	- 05403	06512	06594	06591	RN/L	Š	05089	06075	06382	06258	05184	06560	06616	06614	06614	06518
2	49.885	99.591	148.760	200.210	300.000	402.150	601.120	800.510	1000.100	NO. 594/ 0	2	.650	50.388	100.310	150.460	200.600	300.180	400.190	601.170	801.210	016.666
×	£10.	255	.253	.354	.253	.210	.502	.396	.235	\$ \$	×	900.650	900.620	900.530	900.690	900.650	900.670	900.690	900.680	900.770	900.650

(RTJ188) (31 JUL 75 ) 1A13 SRE(SB) M/O PLUNES SEPARATING FROM 09710

	. 000 . 000 . 000 . 000																								
DATA	PTOTAL = BETA = DBETA = PCHHBR =																								
PARAMETRIC DATA	4.530 .000 -5.000		ర	17448	.17423	.17378	.17329	17247	. 17218	. 17266	.17274	.17282			ჯ	. 17257	. 17269	.17268	. 17282	. 17269	. 17288	. 17299	.17284	17278	.17284
	KACH ALPHA DALPHA Y		<b>B</b>	00063	-,00080	00100	00087	. 0007z	.00063	. 00055	.00055	+2000.			욕	00093	.00055	.00055	.00055	.00055	.00056	.00055	.00055	.00055	.00056
			CYN	.00608	.00500	.00463	.00378	.00163	00047	00188	001R7	00188			CYN	00:45	00190	00191	00191	00190	00192	00192	00191	16100	00192
			Շ	01031	00922	-,00839	00692	00324	.00016	.00205	.00203	86100			ć	.00159	. 00209	. 00209	.00211	. 00209	.00215	.00212	+1200·	.00213	.0021¥
		6.63	מרא	.03020	.02838	.02724	. 02738	.03182	.03261	.03394	.03394	.03395	;	6.63	CLM	.03021	.03392	.03390	.03393	.03387	.03389	16220.	.03390	.03389	16220.
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	FBN/L	ક	06071	05821	05673	05702	06263	06407	05587	-,06592	0823-		- 1/AS	Š	06199	06626	06620	06624	06610	06613	06813	06613	06614	06620
		. 592/ 0	7	50.339	100.530	150.350	200.250	300.220	399.740	599.130	799.490	999.980		RUN NO. 595/ 0	2	909	49.837	99.950	149.960	200 060	303.336	400.960	601.240	798.400	999.130
REFERENCE DATA	SREF = 2690.0000 SQ.FT. XHPP LREF = 1290.3000 INCHES YHMP BREF = 1290.3000 INCHES ZHRP SCALE = .0100	RUN IND.	×	241.	262.	282	007	623	*82.	. 232	. 353	301		RUN PO	×	900.580	900.570	900.570	900.700	049 . 006	900.700	900.740	000.170	900.550	900.600

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REFERENCE DATA

SREF . LREF . BREF .

IAI3 SABISB) H/O PLUNES SEPARATING FROM 08710

PAGE 271

(RTJ189) (31 JUL 75.)

	. 000 . 000 5. 000
DATA	- 4.53¢ PTOTAL000 BETA5.000 OBETA5.000 PCH4BR -
PARAMETRIC DATA	4.530 .000 -5.000
	MACH ALPHA -
	XMSP = 1052.0000 IN. XT YMSP = .0000 IN. YT ZMSP = 447.0000 IN. ZT
	<u> </u>
	48447 48447
REFERENCE DATA	2690.0000 SO.FT. ) 1290.3000 INCHES ) 1290.3000 INCHES   .0100

## RN/L . 6.65 RUN NO. 593/ 0

చ	.17338	.17333	17325	41271	BBC7.1	902	900	*06/1.	, 1730!	. 17289	.17302		ć	5	. 17286	.17295	.17275	17287	10071	2000	7536	180/i.	. 17295	57571.	.17285
8	. 00020	-0000 ·	00011	-,00010	61000	0000		CCOSO.	90000.	<b>.00054</b>	. 00055		ē	100	4C000 .	. 00055	₹000.	.00055	55000	# S O O O		conn.	.00035	.00055	.00055
CYN	£10°.	(3110	00113	00129	00164	00191	00100 -	0000	00.00.	00187	00190		ž		06.00	0019i	00189	00191	00191	16100	10100	1000	00191	00190	16100
λ	75100.	. 00 30	.00136	64100	.00187	.00209	90500	11600	1000	.00199	.00207		Շ	00000	Andra .	00510	. 00209	11500.	. 00211	.00210	61500	9 6 6 6	. 0521 <b>2</b>	.00209	. 00213
FID	K1880.	.03677	.03248	.03257	.03318	404E0.	.03399	1072		.03398	.03404	6.65	S.	1011		<b>3</b> 550.	. 03390	.03391	.03390	.03392	.03390		£85£0.	.03390	.03390
S C	68.00 ·	1 ++00 .	08414	-, 08+30	06209	06611	06600	05606	0000	. 00033	06608	RN/L .	ટ	08614			0661₹	916.)'-	06615	06619	06615	80820	00000	06617	06613
2		100.00	C/A. 25	149.880	199.890	300.000	400.110	599.810	700 070	008.867	1000.100	NO. 596/ 0	7	278	101	0/1.61	99.793	149.880	200.090	300.270	400.510	800 B70	900	900.580	989.670
×	1	5 5	R. V.	. 273	.210	χ. Sc	. 127	. 173	240	3.5	٠٤/٥	25.	×	900.370	900 560	000	900. /eu	900.590	900.500	900.440	900.620	900.870	000	0/0.000	900.580

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TATE SOUCE DATA

(RTJ190) (31 JAL 75 )

PARAMETRIC DATA	HACH - 4.530 PTOTAL - 110.000 ALPHA000 BETA000 DALPHA5.000 DBETA2.000 Y .000
	XMRP = 1052.0000 IN. XT YMRP = .0000 IN. YT ZMRP = 447.0000 IN. ZT
	1056
	& & & &
ATA	
REFERENCE DATA	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES
	SREF LREF BREF SCALE

000	100 INCHES 2	ZMRP = 447.0000 IN. ZT	.0000 IN. Z	<b>-</b>			DALPHA .	000 · <b>6</b> -	DBETA -	000.
	ş	RUN NO. 597/ 0	RN/L -	6.65						
	×	2	3	<b>.</b>	Շ	CAN	95	ర		
	164.		04508	.02489	01128	.00416	.00107	117211		
	154.		06394	.03221	+S100.	00146	65000.	.17236		
	.360		06620	.03393	.00209	00191	. 00055	.17286		
	.450	999.970	06621	.03392	.00210	00190	.00055	675, 1.		
	2	RUN NO. 598' 0	RN/L -	6.03						
	×		S	S.	5	CYN	<b>8</b> 5	ర		
	300.330	399.110	04732	.02410	+1600·-	. 00432	.00106	17228		
	300.250		06600	.03385	.00217	00192	.00055	. 17242		
	300.310		06607	.03390	. 00213	-,00191	. 00055	.17285		
	200,390		06604	.03387	. 00213	00191	. 30055	17281		
	\$	RUN NO. 599/ 0	RN/L .	6.65						
	×		ક	占	Շ	C	85	3		
	600.560		05916	. 02892	00134	.00066	₩2000.	.17201		
	600.910	601.700	06603	.03386	.00213	00191	. 00055	. 17258		
	600.770		06608	.033.0	.0021;	30;3;	.00055	. 17290		
	600.770		06603	.03388	. 00212	00192	. 00055	.17284		
	Ş	RUN NO. 6007 0	PN/L .	6.65						
	×	2	3	E C	Շ	C	<b>8</b>	₹		
	900 500	399.210	06614	.03384	.00210	00190	. 00055	1719		
	900.650		06613	.03386	. 00211	00191	.00056	17251		
	900.510		06619	.03388	₩0200.	00189	.00055	17256		
	900.610		06619	.03388	.00211	16100	.00055	.17263		

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(RTJ191)
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SB) W/O PLUMES SEPARATING FROM 09TIC
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(RTJ191) (31 JUL 75 )

PARAMETRIC DATA	MACH - 4.530 PTOTAL - 110.000 ALPHA000 BETA000 DALPHA5.000 DBETA5.000 Y - 200.000 PCHHBR000
REFERENCE DATA	SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN. XT LREF = 1290.3000 INCHES YMRP = .0000 IN. YT BMRF = 1290.3000 INCHES ZMRP = 447.0000 IN. ZT SCALE = .0100

## RN/L . 6.62 RUN NO. 606/ 0

ర	1719	17165	47171.	17209	. 17233	17276	17286	17285	17258	.17283
평	00161	.00055	.00055	.0005¥	.00055	.00054	.00054	.00055	.00035	.00055
CAN	00128	00191	00191	00185	00191	00190	06100 -	- 00191	00190	00190
ដ	. 00135	. 00209	.00215	.00208	.002:3	.00211	. 00211	.00213	.00213	¥1500.
g.	.02815	.03394	.03394	.03399	.03398	.03403	.03402	.03402	.03397	.03403
Š	05938	06625	06619	06624	06623	06631	06629	-, 06630	05620	06632
7	006	49.780	99.93⁴	149.900	199.830	289.910	400.750	602.070	798.640	999.050
×	900.600	900.470	900 : 200	900.690	900.560	900.680	900.830	901.080	900.510	900.680

## 1413 SABISB) H/O PLUMES SEPARATING FROM 09110

REFERENCE DATA

## PARAMETRIC DATA

(RTJ192) (31 JUL 75 )

000.011												
PTOTAL - BETA - OBETA - PCHMBR -												
4.530 .000 .5.000 400.000		5	17407	17357	17303	17256	17216	82671	003/11		9000	. 17282
MACH ALPHA BOALPHA F		g	14100	0.001	£6000 · -	+5000	0002B	#E000.	45000	10000 10000	14000	. 00055
		Z.	1,001	.00125	**000.	00038	00119	00190	00189	16100 -	00.00	00192
		5	00201	00158	60067	77000.	.00138	.00210	60200	.00213	P0500.	.00216
	<b>6.6</b> 2	S.	.02904	. 02893	.03004	.03111	.03198	.03398	.03405	.03402	.03406	.03405
052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L .	ક	06019	06010	06153	06295	06408	06648	06658	06653	06564	06663
1052.	. 603/ 0	2	075	986.64	100.020	149.970	199.950	300.020	400.330	600.390	800.050	086 . 980
T. XHRP	PCN NO.	×	K.	.375	35	ž	. 380	374	8 <del>1</del> 3 .	£83.	.361	. 2 <b>96</b>
2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES												
SPEF												

EIVI	REFERENCE DATA	100 SQ.FT. XHR 100 INCHES YHR 100 INCHES ZHR 00	S.	×	300.480	300.300	300.350	300.550	300.320	300.270	300.190	300.330	300.290	200	SC N	×	600.480	600.560	600.450	600.420	600.460	600.450	600.550		600.430	<b>S</b>	×	900.610	900.370	900.580	900.610	900.840	900.750	900.780	060.006	900.830	200
DATE 02 AUG 75	X.	SAEF = 2690.0000 LREF = 1290.3000 BREF = 1290.3000 SCALE = .0102																																			
																											O.	i.	in in	28	)B	8,	nc NC	N. A.	ZY ZY	of the second	

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(RTJ192) (31 JUL 75

IAI3 SPBISBI W/O PLUMES SEPARATING FROM 09710

IAI3 SOURCE DATA

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PARAMETRIC DATA

.000 .000 .000 .000

BETA • DBETA • PCHMBR • PTOTAL

4.530 .000 -5.000

HACH ALPHA DALPHA

- 1052.0000 IN. XT - 0000 IN. YT - 447.0000 IN. Z

804.0

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.17260 .17260 .17242 .17233 .17264 .17265 .17269 .17269

CYN
-.00017
-.0077
-.00176
-.00192
-.00192
-.00193
-.00193

.00027 .00099 .00145 .00191 .00217 .00215 .00216 .00216

CLM .03020 .03101 .03101 .03395 .03401 .03402 .03402

50.232 100.140 150.010 200.040 300.140 399.840 799.500 999.480

CA . 17292 . 17248 . 17282 . 17282 . 17282 . 17282 . 17282 . 17286 . 17286 . 17286 . 17286

CYN 00090 00150 00190 00190 00190 00190 00190 00190 00190 00190

. 00106 . 00171 . 00205 . 00211 . 00209 . 00211 . 00201 . 00207

CLM .03120 .03285 .03399 .03403 .03403 .03402 .03403

. 06299 . 06498 . 06627 . 06631 . 06629 . 06629 . 06633

525. 365 100.320 150.130 200.000 299,750 399,950 799.400 999.270

67571. 17587. 175857. 17571. 175837. 1758671.

CBL 000554 0000554 0000554 0000554 000054 000054 000054

06100 - 100000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 1000000 - 10000 - 10000 - 10000 - 10000 - 10000 - 100000 - 10000 - 10

00206 00210 00214 00216 00210 00210 00211

CLM 03402 03403 03401 03403 03403 03403 03403

CN - 06630 - 06631 - 06633 - 06629 - 06628 - 06632 - 06638 - 0

99.672 99.672 199.850 300.290 600.500 600.500 999.540

CA .17271.

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PAGE	

IA13 SOURCE DATA

DATE 02 AUG 75

					1413	SPB(SB) HV	1A13 SABISB) H/O PLUMES SEPARATING FROM OSTIO	PARATING FE	ROM 09110		(RTJ193)	( 3)	JUL 75 )
	REFE	REFERENCE DATA	ĭ								PARAMETRIC DATA	: DATA	
SREF LAEF BREF SCALE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	SQ.FT. INCHES	SHER SHER		.0000 .0000 447.0000	052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH - ALPHA - DALPHA - Y	4.530 .000 .000 .000	PTOTAL = BETA = OBETA = PCHMBR =	000.011 000.00.00 000.00.00
		_	<b>35.</b> NO.	0 /609	•	- 1/1	9.05						
		×	0 <b>%</b>	2 800.040	•	CN - 08633	CLN ONFO	CY . 00&11	CYN 00191	CBL .00084	CA . 17285		
		-	PEN 160.	410/	0	RN/L	6.63						
		X 300.330	330	2 799.980	2	CN 08631	CLM .03402	CY .00209	CYN 00190	CBL .00054	CA .!7273		
		-	PUN NO.	7119	•	- 7/NE	9.82						
		× 800.9±0	<u>.</u>	2 799.860	93	CN 06644	CLM .03407	CY . 00212	CYN 00191	CBL .00055	CA . 172 <b>85</b>		
		•	PLN NO.	612/	•	FR/L .	6.62						
		X 900.720	720	2 799.950	2	CN 06631	CLH .03401	. 00207	CYN 00189	CBL . 00054	CA . 17263		
					M C	SP8 (S8) H/	1.13 SPB(SB) W/O PLUMES SEPARATING FROM 09110	PARATING FF	OH 09110		(RTJ194)	H) (31 JUL 75	بر د د
	REFERENCE	ENCE DATA	<b>₹</b>								PARAMETRIC	DATA	
SCALE	2880,0000 SQ.FT. 1280,3000 INCHES 1290,3000 I CHES	SO.FT. INCHES I.CHES	X HRP		.00 .00 .47.00	1052,3000 IN. XT .0000 IN. YT 447.0000 IN. ZT				HACH ALPHA -	4.530 .000 -5.000	PTOTAL BETA BETA PCHEBR B	.000 .011
		-	S	613/	0	- 1/N	8.62						
		×i	× . 000.	2 799.960	ĕ	CN 06619	CLM .03392	CY .00210	CYN 00191	CBL . 00055	CA . 17260		
		_	PEN NO.	<b>614</b> /	0	PN/L	9.62						
		X 300.420	•50	ל 078.897	5	CN 06608	CLM .03389	CY .00≥05	CYN 00189	CBL . 00054	CA . 17266		
		-	PUN NO.	513	0	RN/L .	6.62						
		X 800.590		Z 799.930		CN 06618	СLИ .03390	CY .00207	CYN 00189	78000 180	CA 7258		

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DATA  IA13 SABISB) M/0 PLUNES SEPARATING FROM 09710 (RTJ194) ( 31 JAL 75	PARAMETRIC DATA	IN. XT  ALPHA - 4.530 PTOTAL - 110.000  ALPHA000 BETA000  DALPHA5.000 DBETA - 10.000  Y - 800.000 PCHHBR000	/L = 6.62	CLM CY CYN CBL CA 5621 .03383 .0020000188 .00053 .17284	IAI3 SRBISBI W/O PLUMES SEPARATING FROM 09110 (RTJ195) (31 JUL 75 )	PARAHETRIC DATA	IN. XT ALPHA - 4.530 PTOTAL - 110.000 IN. YT ALPHA000 BETA000 IN. ZY DALPHA5.000 DBETA10.000 Y - 400.000 PCHBR000	RN/L . 6.62	CYN CBL	0214500722 .0057800335	-,05198 .02547 -,00635 .00500 -,00311 .17248	2000 - 7000 E100 - 20000	53360 . 09100 ~ .00188	.03389 .00201001·8 .00053	06605 .03389 .0019500187 .00052 .17262 .06614 03303 00195 .00198 00052 17267	03388	r • 6.62	CLM CY CYN CBL CA	.0248200114 .0011000306	.0260300035 .0003100262	12100 78000 07000. 88850.	03245 .001590015500001	15.66 .03370 .0019900187 .00053 .17087	. \$2000. /8100 00200. /8500. . \$2000. 88100 20200. 06200.	.03387 .000500189	
IAI3 SOURCE DATA		. 1052.0000 IN. . 0000 IN.	616/ 0 PN/L	2 CN 800.12005621	IA13 SPB		. 1052.0000 IN. .0000 IN.	620/ 0 RN	<b>8</b>	50.06105054	99.971				500.48006		617/ 0 RN/L	S CN	•				199.94006616 300 03006613		•	
DATE 02 AUG 75 1A13 SC	HEFERENCE DATA	SHEF = 2690.0000 SO.FT. XHRP LREF = 1290.3000 INCHES YHRP BREF = 1290.3000 INCHES ZHRP SCALE = .0100	RUN NO.	x 8 069.008		REFERENCE DATA	SAEF = 2690.0000 50.FT. XHRP LREF = 1290.3000 INCHES YHRP BREF = 1290.3000 INCHES ZHRP SCALE = .0100	PC 16.	×		950.		•		9 677 3	_	PUN NO.	×	017.008				300.530 1. 05. 001			

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(RTJ195) (31 JUL 75 )

DATE 02 AUG 75

IA13 SPB(SB) M/O PLUMES SEPARATING FROM 09710

	000 000 000																								
	.000 .000 -10.000 .000																								
C DATA	PTOTAL • BETA • OBETA •																								
PARAMETRIC DATA	4,530 .000 -5.000		۲	15571.	.17153	19171.	19171.	. 17246	. 17265	. 17263	.17253	. 17239	.17254		ర	17248	17246	. 17268	27571.	.17270	.17278	.17268	¥7571.	17571.	. 17266
	MACH ALPHA DALPHA T		<b>18</b> 5	<b>06100</b>	0007 <b>6</b>	.00051	.00053	.00053	.00053	+5000.	₩5000.	.00053	.00053		<b>e</b>	94000.	. 00052	.00052	.00053	. 00052	.00052	.00053	.00052	.00053	.00053
			CYN	00025	00119	00188	00189	00189	00189	00189	00190	00189	00187		Ž.	00181	00186	-, 90187	00187	00187	00186	00188	00187	00187	00187
			Շ	.00030	.00123	.00203	.00203	.00205	.00201	.00203	.00208	.00205	.00200		Շ	<b>₹</b> 6100.	.00195	96100	76100.	.00197	.00193	.00201	96100	.00195	. 00200
	<b>.</b>	5.62	C.	.02814	.03078	.03379	.03383	.03392	19880.	.03389	03330	.03388	.03390	<b>9</b> .62	r Z	.03380	.03388	.03393	.03392	103391	.03395	16220.	.03395	. 03392	16220.
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L -	ર	05944	06268	06612	06603	06617	05612	06607	06611	06609	06613	FIN/L .	3	06602	06601	06615	06610	06808	06618	06610	06617	06612	06611
		0. 618/ 0	2	329	50.153	100.230	150,170	200.020	299.980	399.970	599.840	799.530	939.130	RUN MD. 619/ 0	7		49.64	99.776	149.840	199.830	300.150	400.500	600.270	800.480	1000.200
ENCE DATA	SQ.FT. XHRP INCHES YHRP INCHES ZHRP	RUN NO.	×	600.650	600.330	600.460	600.350	600.390	600.370	600.420	600.270	600.280	600.350	N N	×	900.650	900.560	900.530	900.590	900.500	900.660	900.9+0	900.870	900.830	900 . 750
REFERENCE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.2000 INCHES																								
	SAEF BAREF BAREF SCALE																								

DATE 02 AUG 75

IA13 SOURCE DATA

PAGE 279

## IAI3 SABISB) M/O PLUMES SEPARATING FROM OSTIO

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NO. 821/ 0         RN/L = 6.63         CLM         CY         CYN         CBL           1         300.430		• • •	0000 IN. Y				MACH ALPHA - DALPHA -	4.530 .000 -5.000	PTOTAL - BETA - DBETA - PCHIBR -	10.
7 CN CLM CY CYN CBL  1 300.43004272 .0190402507 .01362 .000131  5 400.60005272 .0249101090 .00685 .00111  5 600.69005614 .03369 .0020101187 .00053  1 1000.00005619 .03369 .0020101187 .00053  1 1000.00005619 .03395 .0019701187 .00053  1 1000.00005619 .03395 .0019701187 .00053  1 100.00003313 .0138203380 .0123800389 .00125  1 100.00003313 .0138201513 .00938 .00125  1 100.00005506 .03380 .00187 .00033 .00052  1 100.00005506 .03380 .00197 .00187 .00053  1 100.00005506 .03380 .0019800187 .00053  1 100.00005506 .03380 .0019800187 .00053  1 100.00005506 .03380 .0019800187 .00053  1 100.00005506 .03380 .00198 .00053 .00053  1 100.00005609 .03394 .000695 .00099 .00053 .00069  1 100.00005613 .03374 .001171 .00798 .00053 .00069  1 100.00005596 .03374 .00199 .00099 .00053 .00069  1 100.00005596 .03374 .00199 .00099 .00053 .00069	3	<b>4</b> 0. 821/ 0	FN/L	6.63						
300.430	×	2	8	3	Ç	CYN	ø	3		
3         400.600        05272         .02491        01090         .00685         .00111           600.690        06614         .03389         .00201        00187         .00053           9         600.650        06619         .03385         .00197        00187         .00053           1 000.000        06625         .03396         .00197        00187         .00053           1 000.000        06625         .03396         .00197        00187         .00053           1 000.000        06625         .03191        04100         .02438        00369           1 00.060        03729         .01191        04100         .02438        00369           1 100.060        03312         .01191        04100         .02438        00369           1 100.060        03122         .01191        04100         .02438        00369           1 100.060        03122         .01191        04100         .02438        00369           1 100.060        03122         .01191        02799         .01186        00318           1 100.070        05266         .03139        01181         .00189         .00033	155	300.430	04272	10000.	02507	.01362	.00035	17025		
600.690	.483	400.600	05272	16420.	01090	.00685	. 00111	17056		
### 800.65006619 .03395 .0019700187 .00053   #### 1000.00006625 .03396 .0019700187 .00053   #### 1000.00006625 .03396 .0019700187 .00053   #### 1000.00006625 .03396 .0019800389 .00189   #### 1000.00003813 .0138203596 .0213900359   #### 1000.00003813 .0138200398 .0196600334   #### 1000.00003813 .0138200398 .0196600334   #### 1000.00005626 .03380 .00187 .00035   #### 1000.00006629 .03380 .0020600187 .00058   #### 1000.00006629 .03380 .0020300189 .00052   #### 1000.00006529 .03380 .0020300189 .00053   #### 1000.00006629 .0338400985 .00789   #### 1000.00006129 .0339400995 .00099   #### 150.05006129 .0339400995 .00099   #### 150.05006129 .0339400995 .00099   #### 150.05006129 .0339400189 .00053 .00053   #### 1000.03006599 .03393 .0020000189 .00053 .00053   #### 1000.03006596 .03379 .0020300189 .00053 .00053   #### 1000.00006596 .03379 .0020300189 .00053 .00053 .00000   #### 1000.00006596 .03379 .0020300189 .00053 .00053 .00000   #### 1000.00006596 .03379 .0020300189 .00053 .00053 .00000   #### 1000.00006599 .03383 .0020000189 .00053 .00053 .00000   #### 1000.00006699 .03383 .0020000189 .00053 .00053 .00000   #### 1000.00006699 .03383 .0020000189 .00053 .00053 .00000   #### 1000.00006699 .03383 .0020000189 .00053 .00053 .00000   #### 1000.00006699 .03383 .0020000189 .00053 .00053 .00000   #### 1000.000000000000000    #### 1000000000000000000000000	.511	600.690	06614	.03389	.00201	00187	.00053	. 17216		
1000.000        06625         .03396         .00197        00187         .00053           4 NO. 622 / D         RN/L = 0.63         0.131        04100         .02438        00159           2         CN         CLH         CY         CYN         CBL           1 00.060        03122         .01191        04100         .02438        00369           1 199.830        03302         .01191        04100         .02438        00369           1 199.190        03502         .01191        04100         .02439        00369        00369           1 199.190        03502         .01141        02799         .01616        00366           2 00.00        05402         .02619        00133        00339         .00125           400.630        05604         .03380         .00106        00318         .00056           800.840        05609         .03380         .00203        00189         .00052           800.840        05639         .03380         .00179        00189         .00058           100.070        05216         .02237        01171         .00189         .00069           150.050<	664.	800.650	06619	.03395	.00199	00187	.00053	. 17274		
Z         CN         CLM         CY         CN         CBL           50.002        03729         .01191        04100         .02438        03569           100.060        03813         .01382        03596         .02139        00369           100.060        03813         .01382        03399         .01239        00369           199.180        03510         .01141        02799         .01396        00339           199.190        0526         .03103        00566        00339           400.500        0526         .03103        00187         .00125           400.500        0526         .03103        00187         .00125           600.600        0569         .03380         .00196        0033           999.900        06609         .03380         .00187         .00187           100.070        05296         .03380         .00189         .00189           100.070        05216         .02339        00189         .00035           199.340        06129         .0339        00189         .00189           100.070        05216         .0233        00189	. 123	1000.000	06625	.03396	.00197	00187	.00053	0.17270		
Z         CN         CLM         CY         CVN         CBL           100.060        03729         .01191        04100         .02438        00369           100.060        03813         .01382        03596         .02139        00266           149.830        03510         .01184        04380         .01366        00334           199.190        03510         .01114        02799         .01616        00334           400.630        05626         .03103        00639         .01616        00334           400.630        05626         .03103        00637         .00038         .00165           600.600        06629         .03380         .00187         .00058           999.900        06599         .03380         .00200        00187         .00058           100.070        06599         .03380         .00203        00189         .00052           100.070        06599         .03384        00189         .00052           100.070        06599         .03384        00189         .00038           100.070        06129         .03384        001189         .00038	25	io. 622/ D	FRV/L	6.63						
50.002        03729         .01191        04100         .02438        03569           100.060        03813         .01382        03596         .02139        00266           194.830        03312         .01018        03380         .01365        00334           199.190        03510         .01141        02799         .01616        00334           300.700        05226         .03103        00539         .01616        00318           400.600        05226         .03130        00197         .00035         .00125           600.600        05626         .03138         .00200        00187         .00052           990.900        05639         .03382         .00200        00187         .00053           100.070        05639         .03380         .00203        00189         .00053           100.070        05216         .02334        00189         .00053           150.050        06129         .03034        00189         .00058           150.050        06129         .03334        00189         .00208           100.000        05216         .03339        00189	×	7	ટ	5	ដ	Č	ø	5		
100.060	300.410	50.005	03729	16110.	04100	. 02438	00369	17464		
199.183003302 .0101803380 .0196600334     199.19003510 .0114102799 .0161600318     199.19005402 .0261901513 .00938 .00125     400.63005402 .0380 .0019600187 .00058     500.60005596 .03380 .0019600187 .00058     990.84005599 .03380 .0020000189 .00053     100.07005216 .0223701171 .0079800208     150.05006129 .0337100695 .00580 .00052     150.05006129 .0337100189 .00591     200.00006139 .0337100189 .00053     1000.00006603 .03379 .0020000189 .00053     1000.00006603 .03383 .0020000189 .00053     1000.00006609 .03383 .0020000189 .00053     1000.00006609 .03383 .0020000189 .00053     1000.00006609 .03383 .0020000189 .00053     1000.00006609 .03383 .0020000189 .00053     1000.00006609 .03383 .0020000189 .00053     1000.00006609 .03383 .0020000189 .00053     1000.00006609 .03383 .0020000189 .00053     1000.00006609 .03383 .0020000189 .00053     1000.00006609 .03383 .0020000189 .00053     1000.00006609 .03383 .0020000189 .00053     1000.00006609 .03383 .0020000189 .00053     1000.00006609 .03383 .0020000189 .00053     1000.00006609 .03383 .0020000189 .00053     100000006609 .03383 .0020000189 .00053     10000000006609 .03383 .0020000189 .00053     1000000000000066000 .00000000000000000	1.30.370	100.060	03813	.01382	03696	.02139	00266	17373		
199.190	300.330	149.830	03302	81010.	03380	.01966	00334	17321		
300.70005402 .0261901513 .00938 .00125 400.63006266 .0310300087 .00035 .00068 600.60006596 .03380 .0019600187 .00052 999.98006599 .03380 .0020300189 .00053  ND. 623/ D RW/L = 6.63  100.07005216 .0223701171 .0079800208 150.05006129 .0337100695 .00580 .00072 150.05006129 .0337100667 .00439 .00091 299.34006175 .0377100667 .00439 .00053 400.03006531 .03373 .0020000189 .00053 800.83006503 .03383 .0020000189 .00053	300.210	199.190	03510	1710.	02799	.01616	00318	17171.		
## ## ## ## ## ## ## ## ## ## ## ## ##	300.580	300.700	05402	. 02619	01513	.00938	.00125	.17159		
600.600u6596 .03380 .0019600187 .00052     800.8u0u6599 .03382 .0020000187 .00053     999.98006599 .03380 .0020300188 .00053     ND. 623/ D RN/2 - 6.63	300.520	400.630	06226	.03103	00087	. 00035	.00068	到171		
890.8%00560% .03382 .0020000187 .00053 999.98005599 .03380 .0020300188 .00053  ND. 623/ D RW/ 6.63  2 CM CLM CY CYN CBL 100.07005216 .0223701171 .0079800208 150.05006129 .0303%00895 .00590 .00072 199.3%006129 .0303%00995 .00590 298.86006175 .0307100657 .00%39 .00091 298.86006331 .0337500096 .00189 .00053 400.03005603 .03379 .0020000189 .00053 1000.00006609 .03383 .0020000189 .00053	300.670	600.600	16596	.03380	.00196	00187	5000.	. 17270		
999.980	300.650	800.840	06604	.03382	.00200	00187	.00053	.17276		
Z         CM         CLM         CY         CYN         CBL           100.070        05216         .02237        01171         .00798        00208           150.050        06175         .03034        00667         .0078        00208           199.340        06175         .03071        00667         .0043         .0001           298.860        06331         .03175        00189         .0069        0069           400.030        06592         .03373         .00200        00189         .00052           600.630        06693         .03379         .00202        00189         .00053           1000.000        06609         .03383         .00200        00189         .00053	300.310	933.980	06599	.03380	.00203	00188	.00053	.17268		
2 CN CLM CY CYN CBL 100.07005216 .0223701171 .0079800208 150.05006129 .0303400665 .00590 .00072 199.34006175 .0307100657 .00439 .00091 299.86006331 .0317500096 .00046 .00069 400.03006592 .03373 .0020000189 .00052 600.68006603 .03389 .0020200189 .00053 1000.00006609 .03383 .0020000189 .00053	2	0. 623/ 0	RN/:	6.63						
100.07005216 .0223701171 .0079600208 150.05006129 .0333400865 .00580 .00072 199.34006175 .0307100657 .00439 .00091 298.86006331 .0317500096 .00046 .00069 400.03006592 .03373 .0020000189 .00053 1000.00006596 .03379 .0020300189 .00053	×	7	3	5	Շ	Ş	ĕ	5		
150.05006129 .0303400685 .00580 .00072 199.34006175 .0307100657 .00439 .00091 298.86006331 .0317300096 .00046 .00069 400.03006592 .03373 .0020000189 .00052 500.68006593 .03380 .0020300189 .00053 1000.00006509 .03383 .0020000189 .00053	600.470	100.001	05216	. 02237	01171	.00798	00208	17169		
199.34006175 .0307100667 .00439 .00091 298.86006331 .0317500966 .00046 .0069 400.03006592 .03373 .0020000189 .00052 600.68006603 .03380 .0020200189 .00053 800.83006596 .03379 .0020300189 .00053	600.440	150.050	06129	.03034	00985	.00580	5000.	17100		
298.86006331 .0317500096 .00046 .00069 400.03006592 .01373 .0020000189 .00052 600.68006603 .03380 .0020200188 .00053 800.83006596 .03379 .0020300189 .00053 1000.00006609 .03383 .0020000189 .00053	600.200	199.340	06175	.03071	00667	.00439	16000	17100		
400.03006592 .01373 .0020000189 .00052 600.69006603 .03380 .0020200188 .00053 800.83006596 .03379 .0020300189 .00053 1000.00006609 .03383 .0020000189 .00053	599.950	238.860	06331	.03175	00096	9*000.	69000	17131		
600.58006603 .03380 .0020200188 .00053 800.83006596 .03379 .0020300189 .00053 1000.00006609 .03383 .0020000188 .00053	600.470	¥00.030	06592	.03373	.00500	00189	Sc000.	. 17165		
800.83006596 .03379 .0020300189 .00053	600.760	600.580	06603	.03380	.00202	00188	15000	17265		
1000.00006609 .03383 .0020000188	600.810	800.830	96296	.03379	.00203	00189	.00053	17266		
	600.470	1000.0001	06609	.03383	.00200	00188	.00053	.17267		

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(RTJ196) (31 JUL 75 )

PARAMETRIC DATA	4.530 PTOTAL = 110.000 .000 BETA = .000 -5.000 DBETA = -10.000 200.000 PCH48R = .000		CA 12109	71171.	. 17157	. 17234	. 17260	. 17257	. 17254	. 17253	(RTJ197) (31 JUL 75 )	PARAMETRIC DATA	9.530 PTOTAL = 110.000 .000 BETA = .000 -5.000 DBETA = -10.000 .000 PCH#BR = .000		CA . 17237 . 17156 . 17233	
	MACH ALPHA DALPHA Y		CBL	.00052	.00053	-C000.	.00053	.00052	.00053	.00053			MACH ALPHA DALPHA Y		CBL .00096 .00057 .00057 .00058	
			C. C.	-,00190	-,00189	00187	00188	00187	00187	00189	ROM 09110				CYN .00313 00123 00187	1
			CY	. 00200	. 00200	96100.	.00500	86100.	.00198	.00202	1A13 SPB(SB) W/O PLUMES SEPARATING FROM 09110					) ) ) )
		6.63	CLM	03366	.03374	.03378	.03380	.03379	.03375	.03378	10 PLUMES S			6.63	CLM .02082 .03117 .03374	
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L -	NO CA	10000	06597	06595	06600	06598	06582	06597	M (85)895 E		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	FBN/L -	CN 03590 06241 06589	
	• • •	). <b>624</b> / 0	2	149.780	199.710	300.000	400.850	602.420	798.560	960 . 666	IAI			0. 625/ 0	5 403.020 601.020 800.850	
REFERENCE DATA	SREF = 2690,0000 SQ.FT, XMRP LREF = 1290,3000 INCHES YMRP BRE; = 1290,3000 INCHES ZMRP SCALE = .0100	RUN NO.	×	000 : 000 020 : 000	016,006	900.850	066.006	061.196	081 . 006	900.450		REFERENCE DATA	SREF - 2690,0000 SQ.FT. XHRP LREF - 1290,3000 INCHES YHRP BREF - 1290,3000 INCHES ZHEP SCALE	BUN NO.	66	1

CA .17178 .17193 .17254 .17267

CBL .00106 .00053 .00053

. 0044 - . 00190 - . 00189

.00201 .00201 .00201

CLM .02183 .03399 .03399

CN -.04239 -.06616 -.06612 -.06621

2 398.350 599.250 798.400

X 300.090 300.320 300.060 300.200

RUN NO. 626/ 0

PAGE 281	(RTJ197) (31 JUL 75 )	PARAMETRIC DATA	0 PTOTAL • 110.000 0 BETA • .000 0 DBETA • -10.000 0 PCHTER • .000		3	r 04	ပေး			9	0	m	m	(RTJ198) ( 31 JAL 75 1	PARAHETRIC DATA	0 PTOTAL - 110.000	BETA .	DBETA20	) PCH#BR ■ .000			0	8		<b>&amp;</b>			•	•	æ	
	(R)	PARAMETI	000.5- 000.2- 000.3-		ζ. 	17259	. 17260 . 17266		ర	.17189	. 17270	. 17263	. 17263	(81,	PARAMETI	530	000	-5.010	.00		ర	.17388	. 17158	75571.	. 17278		5	17348	.17165	. 17282	
			MACH ALPHA OALPHA Y		CBC	.00033	.00053		85	₩2000.	.00053	.00052	£6000.			· E	AL PHA	DALPHA .	• >-		<b>8</b>	91000.	19000.	£5000.	. 00093		<b>8</b> 5	. 00092	. 00055	+C000 ·	****
	FROM 09710				S 5	00169	00190		Ž	00192	00189	00188	00190	FROM 09110							Š	00355	03132	00189	00190		C	3≯100.	00196	£6:00'-	
	1A13 SRB(SB) M/O PLUNES SEPARATING FROM 09710				5	.0020v	.0020 <b>6</b> .00203		Շ	.00210	.00202	.00501	.00203	IAI3 SAB(58) W/O PLUNES SEPARATING FROM 09710							5	¥100	.00121	.00208	*080€.		Շ	00692	.00≥04	¥1200.	2000
	1/0 PLUMES			6.63	7	.03402	.03402 404EU.	6.63	2	.03398	.03.03	C03+05	.03402	1/0 PLUMES						8.62	<b>x</b>	36×20·	. 02551	.03403	60750	6.62	r S	75010	.03320	.03353	44.104
₹	13 598(58)		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	- 7/NE	8	0567	-, 06622 -, 06629	PN/L .	8	06621	06622	-, 06629	08619	13 SP8(SB) 1		TX M1 0000 6801		ž		RN/L .	8	03223	05420	06625	05640	FBV/L •	ຣັ	03284	06536	06625	
IAI3 SOURCE DATA	Υ.		• • •	. 927 0	2	400.150 601.630	801.070 1000.200	0 /829		399.020	599.660	799.640	999.500	I¥]			•	•		. 629/ 0	2	000	599.800	800.820	88 88 88	630/ 0	7	399.950	600.220	799.200	900
[413		REFERENCE DATA	SO.FT. XHRP INCHES YHRP INCHES ZHRP	<b>3</b> 8	×	600 : 109 601 : 000	600.700 600.620	RUN NO.	×	044.006	900.480	900.510	930,450		REFERENCE DATA	90 FT 13 62				PCN NO.	×	000	<u>.</u>	, 8	659	RUN NO.	×	330.380	300.680	290.350	200
27 DUA		REFER	2890.0000 1290.3000 1290.3000												REFER	2000 0000			0010												
DATE OF AUG 75			SAEF LREF BREF SCALE													1.99		1946.	SCALE .												

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## .000 .000 -20.000 0000 (RTJ198) (31 JUL 75 ) (RTJ199) 1 31 JUL 75 PTOTAL -BETA - 08ETA - PCHHBR -PARAMETRIC DATA .17171. CA .17128 .17261 .17245 MACH ALPHA DALPHA T CBL .00081 .00052 .00052 CBL .00053 .00052 .00052 . 00225 -. 00187 -. 00188 -.00187 -.00187 -.00186 CYN -. 90183 IA13 STRISB) H/O PLUMES SEPARATING FROM 09T;0 **CY**-.00423 .00194 .00198 .00194 .00197 .00198 CLM .02120 .03397 .13402 CLM .03363 .03405 .03401 **6**.82 - 1052.0000 IN. XT .0000 IN. YT CN -.04731 -.06546 -.06550 -.06656 CN -.06603 -.06656 -.06650 -.06655 - J. RUN NO. 637/ 0 RUN NO. 639/ 0 7 400.170 599.810 801.740 999.770 2 400.080 598.890 801.610 899.790 ZHRP 9 3 X X 600.820 600.140 601.210 599.460 x 900.820 900.420 901.230 899.110 REFERENCE DATA SREF = 2690.0000 \$0.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100 SREF . LREF . BREF . SCALE .

REFERENCE DATA	Y.Y.							PARAMETHIC DATA	C DATA	
2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100	#####################################		1052.0600 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA DALPHA T	4.530 .000 -5.000	PTOTAL BETA DUETA PCHEBR	.000 .000 .20.000
	2 2 2	RUN NO. 632/ 0	FN/L	6.62						
×		7	8	2. F.	ò	CYN	8	క		
	103	401.250	02205	57500.	02091	97600.	. 00126	.17196		
•	.073	598.120	-, 0624B	.03099	.00130	-, 00129	.00058	.17075		
•	382	799.020	06535	.03398	68100.	00188	.00052	.17245		
ť	Ŕ	938.950	C+990	. 03399	.00206	00189	.00053	.17253		
	25. 25.	RUN NO. 631/ 0	RN/L -	8.62						
×		7	S	CLM	Շ	CYN	ಕ	క		
300		400.160	-,04333	.01845	01392	. 00902	.00128	.17010		
300		600.460	06641	.03390	96100	00188	.00053	.17146		
300	300.810	801.120	06638	.03397	.00201	00188	.00053	. 17245		
300		1000.100	06641	.03399	96100	00187	.00052	17244		

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DATE 02 AUG 75	[A13	IA13 SOURCE DATA	< <						a.	PA0E 283
		! <b>Y</b> !	IAI3 SABISB) W/O PLUMES SEPARATING FROM OSTIO	O PLUMES S	EPARATING F	ROM 09T10		(ATJ) 99)		(31 JL 75)
REFERENCE DATA	DATA							PARAMETRIC DATA	C DATA	
SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1250.3000 INCHES SCALE = .0100	T. XHRP		1052.0000 IN. XT .0000 IN YT 447.0000 IN. ZT				MACH ALPHA DALPHA T	4.530 .000 -5.000 200.000	PTOTAL BETA DBETA PCHMBR -	.000 .000 -20.000
	ACK NO.		٠	3.62	;					
60	X 600.660 599.940	7 300.0%0 398.770	CN 05419 06322	CLM .02503 .03148	CY 011%2 00017	. 00801 00020	CBL .00114 .00062	CA .16903 .17018		
09	600.910 601.120 599.530	600.480 801.100 999.870	06647 06653 06651	.03402	.00193 .00195	00185 00185 00185	.00051	.17231		
	PUN NO.	. 639/ 0	RN/L -	6.82						
G G G G	x 900.550 900.210 899.590 900.800 901.080	2 100.740 150.550 199.710 298.890 400.150 600.940 800.880	CN 06462 06451 06515 06653 06659 06654 06653	CLM .03259 .03293 .03372 .03386 .03403 .03403	- 00383 - 00384 - 00034 - 00195 - 00195 - 00195	. 00261 - 00261 - 00185 - 00186 - 00186 - 00186 - 00186	CBL .00077 .00064 .00051 .00051 .00051 .00051	CA .16821 .16833 .17062 .17:83 .17:83 .17244 .17245		
REFERENCE DATA	DATA	EI41	1A13 SRB(SB) W/O PLUMES SEPARATING FROM 09710	) PLUMES SE	PARATING F	7 <b>0H</b> 09T10		(RTJ200) Parjetric data	10) (31 JUL 75	بر د
SAEF • 2890.0000 SQ.FT. LREF • 390.3000 INCHES BAEF • 1.90.3000 INCHES SCALE • .0100			X				MACH ALPHA DALPHA Y	4.530 .000 -5.000 +00.000	PTOTAL BETA COBETA PCHIBR	.000 .000 -20.000
^ '	X X X X X X X X X X X X X X X X X X X	5337 0 2 400.210 600.380 800.650	RN/L • CN 04978 06638 06638	6.62 CLM .0.197 .03396 .03396	CY 013 <b>67</b> .00199 .00199	CYN .00962 00188 00188	CBL .00127 .00053 .00053	CA .18697 .17037 .17244		

(RTJ200) (31 JUL 75 )

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1A13 SRB(38) W/O PLUMES SEPARATING FROM 09710

	.000 .000 -20.000																															
DATA	PTOTAL = BETA = DBETA = PCHMBR =																															
PARAMETRIC DATA	4.530 .000. -5.000	;	¥.	CCBG!	01701.	15661	16894	17091	0.17240	. 17241	. 17262		ď	17031	1690	. 16886	16891	.17006	.17193	. 17247	. 17245	. 17247		5	.16817	. 15866	. 16976	17227	. 17241	. 17235	17247	. 17243
	MACH ALPHA DALPHA	į	CBC	01/00	EBC00.1	00022	5000.	.00052	.00053	. 00052	. 00052		CBL	00481	00204	64000.	.00052	.00053	.00053	.00052	. 00052	.00052		<b>CB</b> L	.00051	.00051	.00052	.00052	.00052	.00052	.00052	.00051
		į	N. C	28.30.	360.0	\$3010.	.00165	-,00196	00188	00187	00188		CYN	. 00059	00109	00195	00190	00190	16100	00188	00189	00196		N.	00185	00185	00187	00187	00188	00187	00189	00185
		į	<u>.</u>	03848	30,100	01600	00263	.00210	.00199	.00200	.00200		5	00052	.00117	41200.	.00207	. 00211	.00208	.00208	.00201	.00195		Շ	<b>*6</b> 100 ·	.00197	.00197	.00200	.001∋9	.00197	.00201	.00193
		6.62	EC. 4	50500	00010	69460	.03122	.03389	.03398	.03396	. 034C	8.5 5	נרא	16610	.02763	.03373	.03367	.03371	.03403	.03404	.03403	+0+£0·	8.62	£,	.03300	.03309	.03359	.03403	.03403	.03401	.03403	.03403
	77 . NI 0000 TY . YT . 0000 TN . YT . YT . YT . YT . YT . YT . YT .	RN/L .	<b>Z</b>	-, 02167	0.03010	- 05488	06273	-,06630	06641	06631	06649	FBV/L	₹	04990	05970	06672	06655	05673	96676	05660	6657	06659	- J/W	ž	06642	06636	06561	06660	066.9	06652	06654	06659
	• • •		7	50.373	066.66	199.790	299.980	399.880	600.240	900.900	999.930	. 635/ 0	Z	50.229	100.120	150.120	199.770	299.990	400.060	600.250	799.660	999.040	RUN NO. 640/ 0	7	99.872	150.040	199.790	300.220	400.350	600.270	799.440	999.260
REFERENCE DATA	30.FT. XHRP INCHES YHRP INCHES ZHRP	ACN NO.	×	300.700	200.002	300.230	300.000	300.270	300.830	300.840	299.540	RUN NO.	×	599.930	600.100	600.280	600.250	600.420	600.530	600.360	600.040	600.009	RUN NO	×	899.980	900.630	900.780	901.070	900.950	900.510	900.220	900 . 320
REFERE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES																															
	SAEF BREF SCALE																															

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DATE OF AUG 75	AUG 75		1413	IAI3 SOURCE DATA							à	PAGE 285
				EIVI	H (88)845 E	IAI3 SPBISB) H/O PLUNES SEPARATING FROM 09110	EPARATING F	ROH 09110		(ATJ201)	011 (31 JAL	ж ж
	REFE	REFERENCE DATA	7							PARAMETRIC DA	8	
SAEF LREF BREF SCALE	2690 .0000 1290 .3000 1290 .3000	SQ.FT. INCHES INCHES	2942 2943		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH	4.530 .000 -5.000 800.000	PTOTAL BETA UBETA PCHINBR	.000 .000 -20.000
		-	<b>15 15 15 15 15</b>	0 /140 .	BN/L -	8.62 9.62						
		×ï	× .508	1 799.980	CN 06640	CLM .03399	CY .00189	CYN 00185	CBL 70051	CA .17235		
•		-	PCN NO.	. 642/ 0	FBV.L -	6.63						
		X 300.570	570	2 800.010	CN 06639	CLM .03397	CY . 00189	CYN 00184	78€ . 00051	CA . 17235		
		_	RUN NO.	. 643/0	RN/L	6.63						
		X 600.600	900	2 800.180	CN 05643	CLM .03398	CY .00198	CYN 0018	CBL . 00050	CA .17228		
		•	RJN NO.	0 /449	RN/L	6.63						
		× 900.740	2	2 800.100	CN 06637	CLM .03396	CY .00188	CYN 0018%	. 00050	CA . 17226		
				1413	SP8 (S8) W	1413 SPB(SB) W/O PLUNES SEPARATING FROM 09710	EPARATING FI	ROM 09710		(RTJ202)		(31 JAL 75 )
	REFE	REFERENCE DATA	_₹							PARAMETRIC DATA	DATA	
SCALE	2690.0000 1290.3000 1290.3000	SQ.FT.	ASHX		052.0000 IN. XT.0000 IN. YT				MACH	000.01-	PTOTAL = 8ETA = 08ETA = PCHPBR =	000. 000. 000. 000.
		•	PEN NO.	0 /6+0	RN/L -	6.63						
		×		2	8	G.	ć	Z.	<b>18</b> 5	5		
		~ <del>~</del>	5. S. S.	200.280 300.730	04731	.02206	02568	.00480	00438	17591		
		•	677	402.800	04939	. 02641	01670	.00713	90100	.17323		
		-, -	水	601.300	06308	.03153	200082	0009 <del>6</del>	.00061	17245		
		• -	.153	1000.100	05619	.03381	56100.	00184	50000°	. 17303		

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(RTU202) (31 JUL 75 )

IA13 SOURCE DATA

97.00
FROH
SEPARATING
PLUMES !
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	REFERENCE DATA								PARAMETRIC DATA	S DATA	
SREF . LREF . BREF . SCALE .	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	X1486 71486 21486	- 1058	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				HACH ALPHA - DALPHA - Y	. 530 . 000 - 10.000	PTOTAL - BETA - OBETA - PCHMBR -	.000 .000 .000 .000
		RUN NO.	0 /849 .	RN/L	6.63						
	×		2	3	C.	Շ	CYN	 C9F	ర		
	.006	690	656	04066	.01239	01086	.00711	-,00465	.17380		
	900.570	570	50.450	05476	. 02375	01059	. 00662	00133	17249		
	.006	580	100.170	-,06254	.03087	01001	.00618	.00059	.17233		
	.006	920	150.510	-,08288	.03154	-,00923	.00579	960cv.	. 17278		
	900.650	650	200.760	06151	.03052	00722	47400.	.00095	62571.		
	.006	570	300.120	06357	.03183	-,00028	00003	.00069	.17187		
	.006	700	400.180	06632	. 03392	<b>₹6100</b> .	00183	.00055	17248		
	099.006	999	600.480	06637	.03396	.00203	00186	.00056	.17312		
	0+8:006	076	801.520	06617	.03390	.00202	00184	.00055	.17295		
	900.590	290	1000.100	06636	.03397	.00203	00186	.00055	.17314		
			I¥.	3 SRB(SB) H	70 PLUMES S	1A13 SRBISB) H/O PLUMES SEPARATING FROM 09110	ROM 09710		(R7.J203)	031 (31 JUL 75	ر لا ع
	REFERENCE DATA	4							PARAMETRIC DATA	C DATA	
• 5965	2890.0000 SQ.FT.		- 1052	1052.0000 IN. XT				HACH	4.530	PTOTAL .	110.000
LREF	1290.3000 INCHES			447 0000 IN. YT				ALPHA -	000.01-	DBETA .	5.000
SCALE .	0010		• • •					·	200.000	PCH-18R	.000
		PUN NO.	646/ 0	RN/L .	6.63						
	×		2	ટ	2 E	ដ	Č	95	3		
	•	ררי	200.250	05118	. 02255	01153	.00693	002*1	. 17443		
	•	364	300.170	05959	. 32906	00623	.00341	00017	.17287		
	•	223	399.830	-,06309	.03159	0018¥	.00088	₹2000.	. 17242		
	•	.081	599.020	05624	.03383	76:00.	00184	. 00055	.17303		
	•	<u>*</u> :-	799.460	05625	.03384	16100	00193	15000°	.17322		
	•	315	999.800	05616	.03381	69100	00181	.00024	.17310		

CATE 02 AUG 75

1A13 SPB158) M/O PLUMES SEPARATING FROM 09110 IAI3 SOURCE DATA

PAGE 287

(RTJ203) (31 JUL 75 ) PARAMETRIC DATA

000 · 01 · 000 · 0
o ' o
PTOTAL BETA DBETA PCHHBR
4.530 .000 -10.000
• • • •
MACH ALPHA DALPHA Y
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000
1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT

4 148 P

SREF = 2690.0000 SO.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100

REFERENCE DATA

## 6.63 A.Y. 0 /8+9 PEN NO.

<b>ડ</b>	17314	.17267	.17270	¥7571.	. 17281	.17302	.17316	.17318	.17307	.17310
9	00230	.00013	. 000BB	. 00055	. 00055	. 00055	. 00055	.00055	45000°	.00055
C	00070	00177	00184	00184	00185	00184	00184	00185	00193	- 00184
Շ	00000.	.00185	<b>36</b> 100.	.00201	.00200	.00198	.00201	.00200	.00195	0000
C.	.02687	.03290	.03395	.03393	.03392	.03395	.03398	.03399	.03398	A0110
8	05800	06532	06641	06633	06627	06831	06643	06543	06635	11990 -
7	37.5	49.788	100.130	150.190	200.210	300.310	401.040	601.760	799.280	000
×	800.600	014.008	064.008	900,530	900.560	900.530	900,690	900.950	900.430	002

## IAI3 SRB(SB) M/O PLUMES SEPARATING FROM 09710

DATA	
PARAMETRIC	

(ATJ204) (31 JUL 76 )

. 000 9. 000 9. 000 PTOTAL = PCHEBR AT380 9E 1A 4.530 .000 -10.000 400.000 MACH - ALPHA - DALPHA -

## 6.63 . 1/X 67.0 ₹ 8

- 1052.0000 IN. XT .0000 IN. YT

œ X 4 × ×

REFERENCE DATA

SAEF = 2890.0000 SQ.FT. )
LREF = 1290.3000 INCHES 1
BREF = 1290.3000 INCHES 2
SCALE = .0100

CBL . 00018 . 00028 . 00024 . 00024 . 00054 . 00054 CYN
--00077
--00078
--00088
--00181
--00183
--00183 .00080 .00079 .00079 .00087 .00181 .00193 .00193 03304 03304 03304 03187 03177 03376 03376 03378 03379 CN -.06507 -.06431 -.06369 -.06367 -.05396 -.0661**5** -.0661**7** -.0651**5** -.06620 30.1190 150.140 150.150 200.150 300.060 400.240 800.090 800.090 .317 . 163 . 155 . 155 . 155 . 198 . 193 . 179 . 179

. 17366 . 17319 . 17329 . 17285 . 17296 . 17307 . 17300

CA . 17359

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PAGE 288

DATE G2 AUG 75

(RTJ205) (31 JUL 75 )	DATA	PTOTAL = 110.000 BETA = -5.000 PCHMBR = .000										
(RTJ205)	PARAMETRIC DATA	9 000. 000.01-		ర	. 17140	.17303	.17300		ర	. 17223	. 17295	.17303
		MACH ALPHA - DALPHA - Y		<b>CB</b>	SC000.	+£000°.	€5000.		<b>8</b>	₹£000°.	45000°	. 00054
FROM 09110				CAN	.000	00183	00182		Z.	00179	00182	00182
1A13 SAB(SB) W/O PLUMES SEPARATING FROM 09110				Շ	₹100:-	.00197	. 00192		Շ	£6100.	₹100·	₹6100.
H/O PLUMES		<b>.</b>	6.63	£	. 02683	.03397	.03396	6.63	C.	.03380	.03392	.03396
13 548(58)		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	ب ص ع	3	05654	05639	06639	FBN/L	Š	08623	06625	06634
<b>V</b> I		• • •	0. 651/ 0	2	601.070	801.130	1000.100	10. 852/ 0	7	600.490	798.850	938.960
	REFERENCE DATA	SO.FT. 10489 INCHES 17489 INCHES 27489	ALN NO.	×	694	.463	- 209	RUN NO.	×	300.590	300.040	300.170
	REFER	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES										
		SCALE .										

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(RTJ206) (31 JAL 75 )

1A13 SRB(SB) M/O PLUMES SEPARATING FROM 09110

	.000 .000 -5.000																																		
: DATA	PTOTAL = BETA = DBETA = PCHMBR =																																		
PARAMETRIC DATA	4.530 .000 -10.000 200.000		đ	. 17549	17483	.17323	17201	17170	CB571	.17286	. 17297		5	17256		5/2/1.	. 17200	.17168	.17181	.17186	.17296	.17294	. 17290			ర	. 17222	.17120	.17126	.17164	. 17207	692/1.	17291	. 1 /ces	.17303
	MACH ALPHA BOALPHA P		ø	00503	00438	00421	B 100.	0.000	.00053	¥5000·	+5000.		g	1 000	- 003.EG	-,00300	55000-	<b>5</b> 8000.	.0006	. 00054	.00054	, 00054	.00024		į	<b></b>	- 003.51	00015	. 00053	. 00053	\$6000.	50000	\$5000.	F 5000	.00053
			2,5	B6\$10°	.01566	.01472	.00880	.00039	00182	00183	00183		C	887.00	.00671	1,000.	E POO	7 +500.	\$1005.	00163	00183	00183	031B4		Š	6.000 L	0000	0,100.	.00181	00181	20100.	66100 -	00183	00182	00182
			Շ	02756	02670	02453	01407	00090	.00194	.00195	₹ 6100.		č	01074	00943	00704	00000	1 0000 F	50.00	96100.	\$8100.	.0500.	(B100.		}	91,000	100	50100	2000	00.00	E 61.00	66100	.00196	.00193	.00193
		\$ •	ر ا	140 10.	00110.	.01151	.02800	.03167	.03390	.03390	.03392	₿.6¥	C.H	S#710.	.02121	.02828	92120	14670	10220	60220	20000	08550.		<b>3</b> .9	ž	. 02367	80	.03374	98250	03388	.03391	.03394	16220	.03395	.03395
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L	Š	03528	03527	03640	05693	06320	06617	06618	06622	FN/L .	3	0+593	05077	05935	06328	1.06428	06609	- 0681a	- 06633	06621		RN/L .	Š	05414	06422	08617	06629	06625	06630	06630	06626	06635	06632
	1052	0. 659/ 0	7	66 66	150.110	199.810	300.900	400.720	500.750	800.940	1006.100	RUN NO. 658/ 0	7	50.640	100.300	150.040	199.310	298.530	400.390	600,900	800.910	1000.000		0 /259 .	2	116.	50.319	100.240	150.340	200.320	299.390	397.510	601.210	800.870	999.950
REFERENCE DATA	2690.0000 50.FT. XHRP 1290.3000 INCHES YHRP 1290.3000 INCHES ZHRP	ALN NO.	×	300 360	ucs . uns	300.420	300.640	300.660	300.580	300.370	300.350	ACN N	×	600.610	609.600	600.560	600.370	600.230	600.700	600.770	600.800	600.570		PUN NO.	×	900.830	099 006	900.630	900.690	900.510	900.460		•		900.710
	SREF = 2690 LREF = 1290 BREF = 1290 SCALE =																																		

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# 1A13 SPB(SB) M/O PLUMES SEPARATING FROM 09T10

## .000 -5.000 (RTJ207) ( 31 JUL 75 ) PTOTAL • BETA • DBETA • PCHMBR • PARAMETRIC DATA 4.530 .000.00+ MACH ALPHA -- 1052.0000 IN. XT - .0000 IN. YT - 447.0000 IN. ZT 9 4 X X X 996F = 2690.0000 50.FT. X LREF = 1290.3000 INCHES Y BREF = 1290.3000 INCHES Z SCALE = .0100 REFERENCE DATA

RUN NO.	40. 681/ 0	- J/NJ	<b>9</b> .64				
×	2	8	C.	Շ	CYN	res Cer	ð
8	150.250	05651	.02582	00223	-00182	00261	17249
5	200.080	06031	.02875	00035	71000.	00142	.17138
.235	300.020	06612	.03367	97100.	00179	84000.	.17146
7	400.400	06616	.03388	.00186	00180	.00052	. 17263
.329	600.490	06617	03330	.00193	00181	.00053	. 17289
.373	800.510	06616	.03391	68100	00181	.00053	1,1297
.264	1000.000	05611	.03387	.00187	00180	.00052	.17273
3	MO. 660/ 0	FN/L	6.64				
×	7	8	£	č	C	Æ	5
299.890	98.794	05016	.02880	71000.	00019	00169	. 17273
300.390	150.410	06380	.03179	81100	00122	00039	. 17220
300.390	200.320	06608	77280.	.00178	00176	84000.	. 17231
300.330	299.910	06669	.03387	.00188	00181	.00053	17571.
300.310	399.850	06609	.03387	96100.	00183	+5000·	.17282
300.240	599.650	06606	.03388	<u>ቆ</u> 100 .	00182	.00053	.17294
300.210	799.540	06608	.03387	<b>3</b> 6100.	00182	.00053	. 17285
300.310	999.390	06616	.03388	. 00195	00193	.00053	.17282

ర	.1732€	. 17265	.17268	. 17266	.17290	.17294	.17303	.17304	.17303	.17299
<b>8</b>	00140	00069	1 4000.	.00053	<b>45000</b> .	.000g	45000°	45000°	\$000°	.00054
Z.	00021	00103	00174	- 00181	00183	00182	00192	-, 0018،	00182	00183
Շ	.00023	00100	.00178	.00190	.00198	.00193	.00194	.00193	.00195	96100
,	.02967	.03117	.03368	.03392	.03392	.03393	.03393	.03394	+6££0.	.03392
3	06120	06307	06606	05628	06625	06625	06527	06625	06630	~.066 <b>28</b>
7	<u>.</u>	49.938	100.020	150.250	200.350	300.310	400,490	600.560	800.770	1000.100
×	800.400	600.5€0	600.570	600.650	600.680	600.700	600.820	600.750	600.820	600.640

RN/L . 6.64

RUN NO. 657/ 0

(RTJ207) (31 JUL 75 )

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	REFERENCE	ENCE DATA	<			! ;				PARAMETRIC DATA	DATA	
SPEF LREF BPREF SCALE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	SQ.FT. INCHES INCHES	2446 2446 2466	.0000 .0000 .447.0000	.0000 IN. XT				MACH ALPHA DALPHA Y	000.007	PTOTAL - BETA - UBETA - PCHHBR -	000.011
		Œ	RUN NO.	0 /959	FBN/L	\$.0						
		×		2	3	CLM	Š	CAR	<b>18</b>	₹3		
		900.580	98	.236	06600	17550.	92100.	00173	E+000.	2927		
		900.680		50.462	06617	.03389	96100.	00181	#13000 ·	17295		
		900.780		150.550	06629	£6££0.	96100.	00183	+ 3000.	. 17302		
		900.740		200.530	06607	.03385	66100	00183	+4000.	17271.		
		900.590		300.320	05626	.03393	86100.	00183	<b>+5000</b> .	.17312		
		900.540	•	399.560	06617	.03389	66130	00183	- 00024 -	19571.		
		900.450	-	599.310	06623	.03392	.00196	00183	.00053	17299		
		900.470		799.560	06620	.03392	.00193	00182	+5000.	17301		
		900.470		024.668	06628	.03394	16100.	00182	52000·	- 1 / 30 <b>c</b>		
				[14]	1 (85)885 1	IA13 SRB(58) W/O PLUMES SEPARATING FROM 09110	EPARATING FI	ROM 09710		(RTJ208)	8) (31 JUL 78	K 78 J
	REFE	REFERENCE DATA	⋖							PARAMETRIC	DATA	
9	2800 0000 SO FT.	. FT.	S X	1052.0	1052.0000 IN. XT	_			MACH	4.530	PTOTAL .	110.000
	1200.3000 INCHES	INCHES	THE	•		_			ALPHA .	000	BETA .	000.
BREF .	1290.3000 INCHES	INCHES	<b>6</b>	• 447.0	447.0000 IN. 2T	_			DALPHA -	-10.000 800.000	PCHEER .	000. 000.
		_	<b>3</b> 80	003/ 0	FR/L	<b>5</b> .						
		×		2	8	ş	Շ	ž	ಕ	5		
		: "	8	000.100	08620	.03391	<b>6</b> 100.	00183	. 00053	. 17290		
		-	<b>3</b> 8	0 /100	PN/L	\$						
		X 300 . 300		2 800.100	CN 06615	CLM .03390	CY . 001 <b>93</b>	CYN 00182	CBL . 00053	CA . 17296		
		_	PCN NO.	0 }	- 1/NE	6.63						
		× 600.050		2 800.060	CN 06614	CLM .03388	CY . 001 <b>95</b>	CYN 001 <b>03</b>	CBL .00054	CA . 17283		
		-	PEN NO.	0 /999	BN/L .	<b>3</b> 9. <b>0</b>						
		x 900.830		2 800.260	CN 06817	CLM .03389	. 00190	CYN 00181	CBL . 00053	CA . 17274		

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IAI3 SOURCE DATA	
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DATE OF AUG 75	AUG 75	-	7 E I	IAI3 SOURCE DATA							PA	PAGE 293
				1413	)/H (85)845	1A13 SRB(SB) W/O PLUMES SEPARATING FROM 09110	PARATING FE	ROM 09110		(RTJ209)	99) (31 JUL 75	. z. x
	REFEREN	ENCE DATA	_							PARAMETRIC DATA	DATA	
SPEF - LREF - BREF - SCALE -	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES		74 450 74 450 74 450	1052.0000 .0000	052.0000 IN. XT .0000 IN. YT .4.7.0000 IN. ZT				MACH ALPHA OALPHA	4.530 .000 -10.000	PTOTAL • BETA • DBETA • PCHEBR •	110.000 .000 -10.000
		æ	PEN NO.	0 /199	RN/L .	8.65						
		× .158		2 800.008	CN 06622	CLM .03391	CY .00195	CYN 00182	CBL . 00053	CA . 1728!		
		₹	PE 160	0 /899	RN/L .	6.86						
		X 300.490		2 800.140	CN 06623	CLM .03392	CY .00189	CYN 00181	CBL . 00052	CA . 17290		
		₹	PUN NO	0 /699	RN/L = C	6.65						
		x 600.770		z 800.270	CN 06622	CLM .03390	CY .00192	CYN 00181	Cb. . 00053	CA . 17279		
		æ	PCN NO.	670/0	BN/L -	<b>6</b> .6						
		× 900.780		Z 800.270	CN 06612	CLM .03389	CY .00190	CYN 00181	CBL . 00053	CA . 17282		
				IAI3	348 (SB) H/(	IAI3 SABISB) M/O PLUMES SEPARATING FROM 09110	PARATING FF	ROM 09710		(RTJ210)	10) (31 JUL 75	ሊ ነኝ ነ
	REFERE	REFERENCE DATA	_							PARAMETRIC DATA	; DATA	
SPREF BRIEF SCALE	2460,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES		71389 71489	. 1052.0000 . 0000 . 447.0000	.0000 IN. XT .0000 IN. YT				MACH ALPHA OALPHA	4.530 .000 -10.000 400.000	PTOTAL BETA BETA BCHEBR B	.000 .011 .0000 .000
		æ	75 75	0 /089	RN/L - (	6.62						
				2	8	5	Շ	Š	ಸ್ತ	ర		
		355		300.010	06480	.03222	00019	00020	. 00033	. 16871		
		.363		400.450	06606	03320	. 00189	00182	18000.	. 16862		
		2 S		800.650	06815	03388	8 6	00182	\$5000 ·	17268		
		. K	_	1000.100	06626	.03392	.00 26 100	00183	.00053	. 17280		

.000 .011 (RTJ210) (31 JUL 75 PTOTAL = BE : COBETA = PCHEBR = PARAMETRIC DATA 4.530 .000 -10.000 +00.000 MACH ALPHA DALPHA T IAI3 SABISB) 3/0 PLUNES SEPARATING FROM 09TIO - 1052.0000 IN. XT - .0000 IN. YT - 447.0000 IN. 27 REFERENCE DATA SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100

AN NO.	NO. 877/ 0	RN/L =	8. 8				
×	7	8	¥ O	Շ	C.S.	<b>5</b>	3
300.600	200.340	06456	. 03179	.00155	00157	60000	. 16867
300.530	300.090	-,06573	.03265	.00181	00179	.00051	.16788
300.400	400.350	06631	.03352	26100.	00181	.00053	.17041
300.670	600.350	06607	.03385	.00195	00182	.0005 <b>2</b>	. 17267
300.630	800.730	06612	.03386	.00195	00182	.00053	. 17259
300.220	1000.100	08817	.03389	16100.	00191	.00053	. 17275
2	NO. 676/ 0	RN/L	6.62				
×	2	8	C.	Շ	CYN	CBL	ర
600.430	100.060	06374	.03144	₹100.	00135	00043	17071.
600.470	150.250	06628	.03373	.00173	00177	.00050	.17131
600.680	200.230	05617	.03384	18100.	00179	.00051	.17207
600.590	300.310	06618	03330	16100.	00182	.00053	.17270
600.650	400.330	06617	.03389	16100	00181	.00052	17276
600.630	600.480	06615	.03390	.00183	00182	.00053	.17281
600.840	800.780	06616	.03388	.00185	00179	. 00052	.17260
600 470	1000.000	- 05524	-03392	06100	00180	55000	17275

CBL .00008 .00050 .00051 .00052 .00052 .00052

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00142 00142 00193 00193 00193 00193 00193 CLM .03293 .03391 .03390 .03390 .03390 .03394 .03394 . 06513 . 06616 . 06613 . 06613 . 06613 . 06620 . 06620 . 06620 . 06620 . 06620 . 06620 . 06620 . 06620 600 550 890 890 995 999 999 999 999 999 800.930 900.930 900.560 900.560 900.570 900.950 900.960

2552. 2757. 2757. 2757. 2757. 4757. 4757. 2657. 2657.

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(RTJ211) (31 JUL 75 )	PARAMETRIC DATA	MACH - 4.530 PTOTAL - 110.000 ALPHA000 BETA000 DALPHA10.000 DBETA10.000 Y - 200.000 PCH-BR000
1413 SPE (SB) H/O PLUNES SEMARATING FROM OBTIO	REFERENCE DATA	SPEF = 2630.0000 SQ.FT. XMPP = 1052.0000 IN. XT  LREF = 1290.3000 INCHES YMPP = .0000 IN. YT  BPEF = 1290.3000 INCHES ZMPP = 44°.0000 IN. ZT  SCALE = .0100

	ర	£0691.	.17152	.17259	. 17250		ర	17031	64041.	.17245	.17281	91571.		ర	¥7071.	.17086	.17205	.17278	.17258	.17301		5	.17023	.17193	. 17253	. 17239	. 17253	.17287
	평	.00157	. 00053	. 00052	. 00053		<b>8</b> 5	₹100·	9600u '	. 00052	.00053	.00053		<b>8</b> 5	.00103	87000.	. 00052	.00053	.0005	.00052		85	S.000.	. 000 53	. 00( 52	. 07 352	. 00052	.00052
	C.S	.01584	00182	00182	00182		C.	-6+10·	. 00514	00181	00183	00182		C.	. 00652	,0026s	00187	00181	00181	00181		CYN	00181	00181	00181	00180	00180	00181
	5	02578	₹100·	£6100°	₹6100°		Շ	02356	-,00759	.03188	96100	.00195		ć	00973	00395	66100	.00189	16100	.00186		ć	98100	.00189	₹100·	.00188	.00188	56 100 .
6.63	ş	<b>658</b> 10.	.03373	.03386	.03384	6.63	5	.02323	.02725	.03390	.03390	16220.	6.63	£	.03051	6+020.	.03390	.03391	.03384	16220.	6.63	±70	.03259	.03382	.03385	.03378	.03385	16220.
BN/L	8	0431£	06597	05613	05605	RN/L .	8	04950	05703	06628	06619	0662	J/NE	8	06147	06170	05618	06619	06604	05619	* PN/L	3	06609	06815	06607	06593	06608	06619
RUN NO. 878/ 0	7	401.330	600.670	800.860	1000.000	PUN NO. 678/ 0	2	300.830	400.570	500.630	900.910	989.970	RUN NO. 672/ 0	7	199.660	238.800	399.810	600.820	900.980	096.666	RUN NO. 6737 .	~	195.210	299.830	400.840	599,973	798.980	999.160
3	×	.553	.436	. 553	. 142	N.	×	300.640	300.360	300.650	300.790	300.230	\$	×	600.250	599.880	600.390	600.760	600.780	600.280	3	×	900.020	900.670	901.070	900.550	900.200	900.560

IA13 SOURCE DATA

1413 548

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(RTJ212) (31 JUL 75 )	
8(58) W/O PLUMES SEPARATING FROM 09110	

	000.011																							
DATA	PTOTAL BETA BETA PCHIBR B																							
PARAMETRIC DATA	4.530 .000 -10.000		5	17081	. 17258	.17265		ర	34171.	.17267	.17267		<b>5</b>	17069	. 17232	. 17269	. : 7267		ర	1702	97171.	. 17259	.17286	. 17292
	MACH ALPHA DALPHA T		CBr.	.00075	.00053	.00053		SP.	+S000·	.00052	.00052		평	68000.	.00053	. 00052	.00052		8	.00085	. 00052	.00052	.00053	.00051
			CÁN	.0007	00183	00183		CYN	00166	00181	00181		CYN	.00370	00161	00180	00181		CYN	. 00339	00179	00181	00181	00179
			Շ	00156	96100	.00195		ჯ	.60173	.00189	08100.		Շ	00599	.00189	.00185	.00193		ć	00516	.00186	.00192	.00192	¥8100°
		6.63	S.	.02196	.03390	.03390	6.63	E C	.03272	.03388	.03390	6.63	C.	. 02338	16220.	.03389	.03389	8.63	C LA	. 02656	.03385	.03386	16220.	.03394
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L	8	90640 '-	06628	06622	RN/L .	ટ	17430	96619	06622	RN/L -	Š	05081	06627	ue618	06617	RN/L -	3	05605	06614	06607	0652 <b>2</b>	06628
	• • •	0. 681/ 0	2	601.090	801.170	1000.0001	0. 682/ 0	r-	600.500	798.670	938.910	0. 675/ 0	7	400.270	601.500	801.140	999.930	RUN NO. 674/ 0	2	299.830	400.210	599.010	801.320	999.810
REFERENCE DATA	XO.FT. XHRP NCHES YHPP NCHES ZHRP	RUN NO.	×	. 523	849	. 167	RUN NO.	×	300.470	2-99.920	300.010	RUN NO.	×	600.710	600.950	600.920	600.340	2	×	900.230	900.600	900.360	900.980	900.530
REFERE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES																							
	SREF . LREF . BREF . SCALE .																							

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SREF LINEF BREF SCALE

1A13 SRB(SB) H/O PLUNES SEPARATING FROM 09710

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IC DATA	PTOTAL BETA OBETA PCHIBR									<b>m</b> 01		•	• •	
PARAMETRIC DATA	4.530 000. 100.000		CA .17126 .17209 .1728		CA . 1705	.17268		₹.	.1715	. 17273		CA .1700	.17249	.1728
	HACH ALPHA OOALPHA Y		CBL .00055 .00052		CBL .00058	.00052		CBC	.00052	.00052		CBC.	5000.	.00052
			CYN 00267 00180		CYN	00180		CYN	00179	00180				00101
			CY .00321 .03187 .00186		CY 00118	06100		Ċ	.00187	.00186		CY .00088	.00194 78100	.00192
		6.62	CLM .01399 .03389	6.62	CLM	03390	6.62	C	.03384 .03384	.03389	8.62	CLM .03089	98280	.03395
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L .	CN 03432 06631 06625	RN/L	S		RN/L .	સ	03+60	06621	RN/L	CN	08623	06634
		0 /682 0	2 601.350 801.770 999.800	0 /069 .0	2	799.060	0 / 883 / 0	2	400.190 601.100	801.290 999.760	0 /489 0	2	599.700	938.640
REFERENCE DATA	2690.0000 SQ.FT. XMRP 1290.3000 INCHES YMRP 1290.3000 INCHES ZMRP .0100	RUN NO.	x .708 .191.1	RUN NO.	× (	300.430 299.720 299.450	RUN NO.	×	600.560 600.820	600.990 599.260	RA NO	× 8	900.060	800.050

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(RTJ214) (31 JUL 75 ) IA13 SPB(SB) W/O PLUMES SEPARATING FROM 09710

	.000 .000 -20.000								
C DATA	PTOTAL • BETA • DBETA • PCHMBR •								
PARAMETRIC DATA	4.530 .000 -10.000 200.000		CA .16932 .17176 .17255		CA . 17092 . 17269 . 17258	₹3	. 17203 . 17203 . 17271.	ä	. 18889 . 17073 . 17029 . 17267 . 17269
	MACH ALPHA DALPHA T		CBL .00089 .00052		. 00051 . 00051	CBL	.00051 .00051 .00051	į	. 00082 . 00082 . 00082 . 00082
			CYN .00333 00180		CYN 00179 00179 00179	CYN		Ş	-,00051 -,00189 -,00180 -,00180
			.00540 .00185 .00181		CY .00184 .00184		. 00188 . 00183	;	05000. 05000. 00109. 00109.
		6.63	CLM .01541 .03393	6.63	CLM .03386 .03390	6.63 CLH	.03388 .03388 .03395	6.63	.03398 .03378 .03350 .03392 .03391
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	FBN/L -	CN 03967 06634 06626	PN/C	CN06597 06629	- CN CN	06635 06644 06644	- PN/L	08480 05608 05624 05627 73832
		RUN NO. 892/ 0	2 999.870 998.570	RUN NO. 6917 0	2 600.290 801.030 1000.200	RUN NO. 6897 0	397.820 600.230 800.920 999.840		200.920 300.030 400.230 600.010 99° 310
ENCE DATA	SO.FT. XMRP INCHES YMRP INCHES ZHRP	R K	7.101 148 487	S. S.	X 300.430 300.890 300.540	X X	099.986 000.109 098.866		899.400 900.660 900.890 900.670 901.000
REFERENCE	2690.0000 SQ.FT 1290.3000 INCHE 1290.3000 INCHE								
	SREF . LREF . SCALE .								

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(RTJ215) (31 JUL 75 )	ATA	PTOTAL = 110,000 BETA = .000 OBETA = -20,000 PCH*IBR = .000
(RTJ215)	PARAMETRIC DATA	4.530 .000 -10.000 400.000
		HACH ALPHA BALPHA Y
IAI3 SABISB) H/O PLUMES SEPARATING FROM 09TIO	REFERENCE DATA	SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN. XT LREF = 1290.3000 INCHES YMRP = .0000 IN. YT BREF = 1290.3000 INCHES ZMRP = 447.0000 IN. ZT SCALE = .0100

	CN	CLM	CY	CYN - 00131	. GBC 00056	CA . 1679
800.880 800.880	-, 06638	.03384	18100	00180	.00051	17176
939.840	-, 08834	.03392	.00188	00179	.0005	. 17258
693/ 0	- RRV/L -	6.62				
	3	CL	Շ	CÁN	헍	ర
399.850	06363	.03183	9.00r	.00030	.00065	. 16906
8	06615	.03308	77107.	00176	. 00050	. 16887
800.700	06629	16220.	.00177	00177	.00050	. 17276
036.666	06631	.03392	.00.76	-, 5,0177	.00050	. 17269
0 //89	- RR/L -	8.62				
	ક	5	Շ	CYN	평	ర
200.460	06642	.03344	. 00202	00193	.00050	. 16703
300.280	06614	.03338	16100.	00181	.00052	.1682¥
2	05610	.03317	.0018	00178	. 00051	.16916
600.170	06605	.03383	.00188	00179	.00052	. 17248
800.720	06625	.03391	.00188	00180	. 00052	.17270
999.850	06627	.03390	.00187	00179	.00052	. 17269
698/ 0	- BN/L -	9.62				
	ક	r T	Շ	CYN	저	ď
199.990	06601	.03258	.00182	00178	.00051	. 16752
300.060	06606	.03298	C8100.	00179	.00051	. 16885
400.150	05626	.03389	76100.	00182	.00053	1724
600.340	06618	.03386	96100.	00182	. 00053	7247
799.980	06634	.03395	. 00199	00183	.00033	.17295
999.450	06627	03330	.00195	00182	. 00052	. 17268

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DATE 02	AUG 75	1413 9	1A13 SOURCE DATA							PAGE	300
			1413	H (85)845	1A13 SABISB) W/O PLUMES SEPARATING FROM 09710	PARATING F	ROM 09110		(ATJ216)	16) (31 JUL	L 75 1
	REFERENCE DATA	ATA							PARAMETRIC DATA	DATA	
SPEF - LREF - BREF - SCALE -	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	XARRO XHRRD ZHRR		052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA - DALPHA - Y	4.530 .000 -10.000 8C0.000	PT0TAL ** BETA ** DBETA ** PCH*BR **	.000 .000 -20.000
		PUN NO.	0 /569	FN/L	6.62						
	ХÍ	× 666	2 799.940	CN 06832	CLM . 03391	CY .00192	CYN 00181	CBL . 00052	CA .;7262		
		PUN NO.	0 /969	RN/L	6.62						
	× 300	× 300.520	2 800.230	CN 06626	CLM . 03391	CY .00193	CYN 00181	CBL .00052	CA . 17254		
		PCN NO.	0 //69	BR/L	6.62						
	× 909	× 600.600	z 800.260	CN 06629	CLM . 03393	CY .00191	CYN 00181	CBL . 00052	CA . 17269		
		SEN NO.	0 /869	BN/L	6.62						
	× 006	× 900.760	2 300.230	CN 06821	CLM .03388	.001 <b>9</b> €	CYN 00181	. 00052	CA . 17256		
			IA13	H (85)845	IAI3 SABISB) W/O PLUMES SEPARATING FROM 09710	PARATING F	ROM 09710		(RTJ217)	(31 CE 75	ر الا
	REFERENCE DATA	ATA							PARAMETRIC	DATA	
SPEF . BPREF . SCALE .	2690,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES	2449 7449 7449		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA DALPHA Y	4.530 .000 -20.000	PTOTAL • BETA • OBETA • PCHER	000.001 000.000 5.000
		PEN NO.	0 /669	RN/L .	6.62						
	×		2	Z	CL	Շ	CYN	CBL.	ర		
	•	. 467 624	601.410 801.540	04210	.01 <b>879</b> .03363	02059. 00188	00179	.00053	16995		
	ľ	130	999.800	06622	.03396	06100	00180	.00053	. 17287		
		PCN NO.	705/ 0	RN/L	6.62						
	* 6	ç	2	CA	CLM	CY	CYN	CBL	CA		
	28	900.200	999.110 801.610	06612	.03389	.00183	9,100	.00052	17291		
	006	900.2€0	069 ' 666	06617	76880.	.00180	00178	.00053	.17309		

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301	, tr		000.011 0000 5.000										
PAOE	(RTJ218) (31 JUL 75	DATA	PTOTAL - 11 BETA - 09ETA - PCHMBR -										
	(RTJ218	PARAMETRIC DATA	-20.000 -20.000		ర	.17214	.17308	.17303		<b>5</b>	17293	. 17583	. 17290
			MACH ALPHA DALPHA Y		<b>18</b> 5	.00053	. 00053	. 00053		CBL CBL	55000.	2000	. 00052
	ROM 08110				Š	£100	00180	00180		CAN		001//	00177
	1413 SPB(SB) H/O PLUMES SEPARATING FROM OSTIO				Շ	17100.	98100.	98100.		Ç	00100	19100	.00178
	/O PLUMES S			6.63	ş	.03389	.03399	.03398	6.63	5	.03394	.03393	.03393
	3 SPB(58) H		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	FBN/L	3	06623	06626	06621	RN/L .	ક	06608	- 06609	06506
IAI3 SOURCE DATA	141		1052.	0. 700/ 0	2	598.770	799.350	999.190	0. 703' 0	2	602.910	800.350	939.020
[A]		REFERENCE DATA	SO.FT. XHRP INCHES YHRP INCHES ZHRP	RUN NO.	×	262	079	057	RUN NO.	×	901.283	900.530	900.240
MG 75		REFERE	2690.0000 S 1290.3000 1 1290.3000 1										
DATE OF AUG 75			SREF . LREF . BREF . SCALE .										

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	000.011	5.000	000										
DATA	PTOTAL -	08ETA .	PCH-188										
PARAMETRIC DATA	4.530	-20.000	400 · 000		క	.17309	17307	. 17289		z	.17306	.17270	.17292
	MACH .	DA! PHA -	• >		<b>18</b> 5	.00053	.00053	.00053		CBF CBF	.00051	. 000 <b>52</b>	.00052
					2,5	00178	00179	00179		C	¥100	00176	00177
					Շ	.00181	.001B3	.00183		Շ	69100	£7100.	. 00177
				6.63	S.	.03399	.03398	. 03396	6.63	CLA	.03399	.03391	.03394
	1052.0000 IN. XT	3000 IN. ZT		RN/L -	Š	05624	06621	05618	RN/L -	ક	06623	06608	06511
		•		0 /10/ 0	2	600.380	800.340	989.600	RUI NO. 704/ 0	~	601.300	801.350	938 830
HEFERENCE DATA	2690.0000 SQ.FT. XHRP	1290, 3000 INCHES	. 0100	RUN NO.	×	255.	015.	010	RUH NG	×	900 . 800	901.020	900.210
	1385	100 100 100 100 100 100 100 100 100 10	SCALE .										

(RTJ219) (31 JUL 75 )

IAI3 SP8(S8) H/O PLUMES SEPARATING FROM 09710

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IAI3 SRB(SB) W/O PLUMES SEPARATING FROM DETIG

(RTJ220) (3) JUL 75 )

	000.011 .000 -5.030								is -	.000 .000 -5.000	
DATA	PTOTAL - 11 BET 09F.TA								1) (31 JUL 75 DATA	- × ×	
PARAMETRIC DATA	.530 .000 -20.000		CA .16469 .17016		CA . 16734 . 17281		CA .17101 .17249 .17290	CA .1711B .17301	(RTJ221)		CA 91919
	MACH ALPHA - DALPHA - Y		CBL . 00074 . 00054		CBL .00053 .00053		CBL .00053 .00052	CBL . 00053 . 00053	_	MACH ALPHA DALPHA	. 00034
			CYN .00022 00182		CYN 00180 00181		CYN 00178 00179 00179	CYN 00179 00180	30H 09710		כאא 100.082
			CY 00057 .00196		CY . 00194		.00186 .00180	.00183 .00192	1A13 SABISB) W/O PLUMES SEPARATING FROM 09TIO		CY -0100
		6.63	.02524 .03348	6.63	CLM .03262 .03388	6.63	CLM .03357 .03391	6.63 CLM .03368 .03393	O PLUMES SE		6.63 CLM .03380
	.052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L .	CN 05506 06602	RN/L =	CN 06532 06594	RN/L	CN 06568 06610 06607	CN 06609 06597	H (88)845 8	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	Rt/L = CN CN - 06610
		0. 714/ 0	2 801.370 999.670	1. 713/ 0	2 801.110 999.600	). 705/ G	2 599.870 801.040 999.690	, 7067 0, 2 600.420 803.000	1 <b>4</b> 1	- 1052	, 715/ 0 2 2 540
REFERENCE DATA	SREF • 2690.0000 SQ.FT. XMRP LIREF • 1290.3000 INCHES YMRP BREF • 1290.3000 INCHES ZMRP SCALE •0100	RUN NO.	960°-	RUN NO.	X 300.870 999.929	RUN NO.	X 600.220 600.820 600.070	RUN NO. X 900.630 901.730 900.320	PEFERENCE DATA		× × × · · · · · · · · · · · · · · · · ·

DATE 02	AU0 75	[A13 6	IAI3 SOURCE DATA							ā	PAOE 303
			[413	H (85)845 1	1413 SRB(SB) H/O PLUMES SEPARATING FROM 09T10	EPARATING F	ROM 09T10		(RTJ221)	21) (31 AC	M 78 )
	REFERENCE DATA	<b>1</b>							PARAMETRIC DATA	C DATA	
SPEEF LREF BRREF SCALE	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES	20417 20417 20417		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				HACH ALPHA DALPHA T	4.530 .000 -20.000 200.000	PT0TAL BETA DBETA PCHMBR	.000 .000 .000
	•	PEN NO.	7117 0	BN/L -	6.63						
	×		2	8	S.	Ç	ž	ಕ	5		
	300.670	920 920	801.020	06573	.03273	98100.	00196	50000.	. 16853		
	Sub. Sed	F. F. F. F. F. F. F. F. F. F. F. F. F. F	708/ 0	FN/L •	6.53	<b>9</b>	00.	£6000.	8/4/1		
	2		,	į	;	į	į	į	;		
	× 600.280	8	z 599.720	CN 06571	CLM ,03280	CY .0017 <b>3</b>	CYN 00175	CBL .00052	CA . 16867		
	800.120	150	799.370	06601	16220.	.00184	00179	.00032	.17290		
	600.130	130	999.290	06602	16880.	.00185	00179	.00052	.17292		
	•	PUN NO.	0 /101	RN/L .	6.63						
	*		7	8	<del>د</del> ک	Շ	CYN	65	ర		
	900 . 950	20	601.300	06595	03390	.00183	00179	.00052	.17287		
	900.006	ξ. 130	901.170	96590	.03389	.00182	00179	.00052	.17283		
	900.500	200	999.840	06586	.03389	<b>.</b> 001 <b>0</b> 0.	00179	.00053	. 17297		
			[A13	SP8 (S8) H.	IAI3 SABISBI W/O PLUMES SEPARATING FROM 09710	PARATING FI	ROM 09710		(RTJ222)	22) (31 JAL	¥ 5
	REFERENCE DATA	₹							PARAMETRIC	DATA	
SAEF . LREF . BREF . SCALE .	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	884.7 844.7	0.052.0	1052.0000 IN. XT .0006 IN. YT 447.0000 IN. ZT				MACH ALPHA DALPHA Y	000. 000- 000.000-	PTOTAL BETA DEETA PCHEBR	000.011 000. -5.000
	u	Se se	716/ 0	BN/L .	9.62						
	×		2	ઠ	S.	Շ	<b>R</b> EO	<b>5</b>	5		
	ini mi	. 606 . 606	600.590 800.990	06590 06606	.03387	.001 <b>96</b>	00176	55000. 50000.	9,891		
	<del>.</del>	136	999.760	~. 0659 <b>5</b>	.03388	16100	00181	.00053	.17281		
	ď	<b>S S</b> .	712/ 0	RN/L .	8.62						
	×		2	Š	CL.	č	3	<b>8</b>	5		
	300.020		599.150	06612	.03352	B8100.	08100	. 200C.	. 17050		
	300,150		799.910	06598	03389	76190	00182	#1000.	1288		
	, ,			)	3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ř.	3	F 1 6 9 0 .	<b>5</b> 60/1.		

DATE B? AUG 75

n eq.,

- 1052.0000 IN. .0000 IN.
0 /60/
2
600.96006596 801.12006600
999.300 06600
710/ 0 RW/L
Z CN
600.85005600
IAI3 SPB(SB) M/O PLUMES SEFARATING FROM 09T10
. 1052.0000 IN. . 0000 IN.
717/ 0 RN/L
Z CN 799.88006597
718/ 0 RN/L
Z CN 800.24006590
719/ 0 RN/L
Z CN 800.50006598
720/ 0 RN/L
Z CN 800,70006585

DATE 02 AUG 75	IA13	IAI3 SOURCE DATA	•					PAGE	3C 3C2
		141	3 SPB (SE) H	IAI3 SPBISE) H/O PLUPES SEPARATING FROM 09110	EPARATING F	ROM 09110		(RTJ224) ( 31 JA.	JE 75 J
REFERENCE DATA	ATA							PARAMETRIC DATA	
SPEF = 2690.0009 SQ.FT. LPEF = 1290.3000 INCHES BPEF = 1290.3000 INCHES SCALE = .0100	desta	501 -	052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				PJCH ALPHA DALPHA T	+.530 PTOTAL000 BETA20.000 DBETA - 800.000	110.000 .000 -10.000
	PEN NO.	0 /15/ .	RN/L	6.63					
×I	× 329	₹ 799.910	CN 06571	CLM . 03379	CY . 00186	CYN 00180	CBL . 00053	CA . 17257	
	PEN NO.	. 722/ 0	RN/L	6.63					
× 006	x 300.580	2 800.510	CN 06577	CLM . 03382	CY .00185	CYN 00179	- CBL - CBL	CA .17268	
	₹ 80.	723/ 0	RN/L	6.63					
× 009	× 600.600	2 800.830	CN 06584	CLM .03386	CY .00179	CYN 00177	CBL . 00052	CA . 17284	
	PCN NO.	724/ 0	RN/L -	6.63					
× 00	× 900.920	<b>2</b> 800.790	CN 06581	CLM .03385	CY .00185	CYN 00179	CBL . 00053	CA . 17268	
		[A1:	3 SPB(SB) H	1413 SPB(SB) W/O PLUNES SEPARATING FROM 09T10	EPARATING F	ROM 09710		(RTURES) (31 JUL 75	ا الا
REFERENCE DATA	Y.							PARAMETRIC DATA	
SPEF - 2890.0000 SQ.FT. LREF - 1290.3000 INCHES BREF - 1290.3000 INCHES SCALE	dest.Z	- 1052.0000 0000	.0000 IN. XT .0000 IN. YT .0000 IN. ZT				MACH ALPHA DOALPHA	4.530 PTOTAL000 BETA20.000 DBETA000 PCHFBR	000.011
	<b>3 3 3 3 3 3 3 3 3 3</b>	0 /45/	RN/L .	6.58					
* ' (	x .643 450	2 801.480 999.520	CN 04228 06526	.01641 .03338	CY 00073 .00201	. 00026 00185	CBL .00077 .00054	CA . 16332 . 16915	
	€	733/ 0	FN/L	6.58					

WAL PAGE IS

CA .16804 .17221

CBL .00054 .00054

CYN -.00134 -.00184

.00205 .00194

CLM .03318

CN -.06521 -.06514

2 801.000 999.710

X 300.660 299.570

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	Đ.	REFERENCE DATA	MTA							PARAMETRIC DATA	: DATA	
SPEF LAEF BREF SCALE	2690.0000 1290.3000 1290.3000	2690,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES	2048P	. 1952.0	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA - DALPHA -	4.530 .000 .000 .000	PTOTAL BETA BOBETA BCHMBR B	000.011
			EN NO.	725/ 0	RN/L .	 86.:3						
		×		2	3	GLH GLH	CY	CYN	CBL	CA		
		56£	599.870	598.940 800.770	06508	.03360	.0014B	00178	. 00052 50000.	17078		
		2 <b>6</b> 5	590.780	999.540	06582	.03383	.0018¥	00179	.00052	. 17269		
			PCN NO.	726/ 0	RR/L .	6.58						
		×		2	ક	5	Շ	CYN	<b>ಪ</b>	5		
		906	900.580	600.380	-, 06599	.03351	16100	00183	.00053	12021.		
		905	902.070	803.680	06593	.03388	.00185	00179	.00052	.17274		
		006	900.390	999.790	06602	.03391	.00188	00181	.00053	.1729		
				1413	H (88)845 1	1A13 SRB(SB) W/O PLUMES SEPARATING FROM 09110	EPARATING FI	ROM 09110		(RTJ22	(RTJ226) (31 JUL 75	UL 75 )
	æ	REFERENCE DATA	ATA							PARAMETRIC DATA	DATA	
SCALE SCALE	2690.0000 SQ. 1280.3000 INC 1290.3000 INC	2690.0000 SQ.FY. 1280.3000 INCHES 1290.3000 INCHES	XX450 XX450 XX450	1052.0	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH	4.530 .000 -20.000 200.000	PTOTAL = BETA = DBETA = PCHMBR =	. 000 . 000 - 10.000
			PEN NO.	735/ 0	RN/L -	\$ •						
		ЖÍ	131	2 799.630 999.280	CN 06444 05536	CLM .03287 .03327	CY .001 <b>83</b> .00199	CYN 00169 00163	CBL . 00057 . 00054	CA . 16715 . 16990		
			₹.	731/ 0	RN/L .	6.64						

CA .1**5**44**2** .16729 .17267

CBL .00060 .00053

CYN -.00075 -.00180 -.00180

CY .00053 .00191 .00192

.03260 .03260

CN -.08143 -.06561 -.06587

2 601.950 3f: 010 999.600

X 300,460 300,640 299,790

6.64

PN/L =

RUN NO. 728/ 0

CA .16505 .17136 .17287

CBL .00053 .00054 .00054

CYN -.00179 -.00182 -.00183

.00190 .00194 .00197

.03218 .03371 .03390

CN -.08548 -.06601 -.06600

800.060 999.400

X 800,430 600,400 600,250

DATE OF AUG 75	AUG 75	IAI	IAI3 SOURCE DATA	DATA				٠			ď.	PAOE 307
				1413	3PB (SB) H,	1A13 SPB(SB) W/O PLUMES SEPARATING FROM 09110	EPARATING F	ROH 09110		(RTJ226)	35) (31 JAC	JK 75 1
	REFERE	REFERENCE DATA								PARAMETRIC DATA	DATA	
SAEF LREF BAEF SCALE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	Q.FT. XORB NCHES YHRP NCHES ZHRP		1052.0000 IN. .0000 IN. 447.0000 IN.	00 IN. XT 00 IN. YT 00 IN. ZT				HACH ALPHA - OALPHA -	4.530 .000 -20.000 200.000	PTOTAL * BETA * DBETA *	000.011
		PUN NO.	NO. 727/ 0	•	PBV/L •	6.6¥						
		× 900.520	600.370		CN 06586	CLM .03307	CY .00183	CYN 00179	.00053	CA 16934		
		900.820	800.790 899.840		, 96596 - , 06596	.03389	. 00. 68100	00180	.00053	.17285		
				1413	3RB (58) 14/	1A13 SRB(SB) W/O PLUMES SEPARATING FROM 09710	EPARATING F	ROM 09110		(RTJ227)		(31 M. 75 )
	REFERE	REFERENCE DATA								PARAMETRIC DATA	DATA	
SPEF - LRFF - BMEF - SCALE -	2590.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES	Q.FT. XMBP NCHES YMBP NCHES ZMBP		1052.0000 IN. .0000 IN. 447.0000 IN.	00 IN. XT				MACH ALPHA - DALPHA - Y	4.530 .000 -20.000 400.000	PTOTAL - BETA - DBETA - PCHMBR -	000.011 000. 000.01-
		RUN NO.	40. 736/	0	RN/L .	₩. S¥						
		× .595	2 800.990 999.630		CN 06510 06514	CLM .03311 .03364	.00196 .00205	CYN 00184 00186	.00054 .00054	CA .16912 .17233		
		RCN NO.	40. 732/	0	RN/L -	\$ · <b>0</b>						
		х 300.640	2 801.010		CN 06561	CLM .03260	CY .00191	CYN 00180	CBL . 00053	CA . 16729		
		PCN NO.	MO. 729/	0	RN/L .	<b>6</b> .6¥						
		×	7		19 Y	CLM	ر د د	CYN	CBL	CA		
		600.820	800.980 999.620	• •	06591	.03387	00100.	00181	. 00053 80000.	. 17271.		
		PCR NO.	0. 730/ 0		RN/L "	6.64						
		x 900.720 900.030	2 600.760 799.310		CN 06599 06592	CLM .03388 .03386	.001961	CYN 00183 00180	CBL . 00054 . 00053	CA . 17281 . 17273		
		900.350	999,610		-,05605	16550.	₹100°	00182	.00053	. 17298		

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(RTJ228) (31 JJL 75 )

!	.000 .000 -20.000									ا الا		.000 .000 -20.000		
C DATA	PTOTAL = BETA = OBETA = PCHM9R =									0 (31 JAL 75	DATA	PTOTAL BETA BETA PCHEBR B		
PARAMETRIC DATA	000.09-		CA . 16819 . 16931		CA . 17001 . 17240		CA . 17064 . 17247		CA .17833 .17834	(RTJ229)	PARAMETRIC DATA	4.530 .000 -20.000		CA . 16228 . 16775
	HACH ALPHA OALPHA		CBL .00040 .00054		.00056 .00056		CBC . 00055 . 00054		. 00054 . 00053			MACH ALPHA BOALPHA F		<b>CBL</b> . 00094 . 00055
			00587 00185		CYN 00187 00186		CYN 00195 00184		CYN 00184 00183	OH 09710				CYN .00178 00193
			CY .00756 .00202		.00210 .00205		.00196		. 00195	PARATING FR				CY 00313 .00217
		6.60	CLM .00958 .03318	6.60	. 03343 . 03370	6.60	CLM .03347 .03370	<b>6</b> .60	СLM . 03368 . 03387	IAIS SRBISB) M/O PLUMES SEPARATING FROM 09110			6.60	CLM 00170 .03336
	1052.0000 IN. X7 .0000 IN. YT 447.0000 IN. Z7	BN/L	CN 03008 06539	RN/L .	CN 06520 06536	RN/L .	CN U5548 06534	RAVIL .	CN -,06525 -,06524	. SRB(SB) H/		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L	CN 01784 06553
	• • •	.O. 737/ 0	2 801.400 899.410	io. 738/ 0	2 799.900 899.290	O. 783/ O	2 800.820 899.410	0. 744/ 0	2 800, 160 999, 620	Ĭ.			٥ /٥٠٠ .	2 800,440 999.240
REFERENCE DATA		RGN NO.	x .817 -1.363	RCF NO.	x 300.300 299.780	PUN NO.	x 600.933 598.610	AUN NO.	X 900,370 900,150		CE DATA	J.FT. XHRP ICHES YHRP ICHES ZHRP	PUN NO.	× 185. 1975.
REFER	2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES										REFERENCE DA	2590.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES		
	SPEF - SCALE -											SCALE . STATE		

DATE 02 AUG 75	1413	IAI3 SOURCE DATA	•						•	PAGE 309
		IAI	3 SRB(58) 5	IAI3 SPBISB) H/O PLUMES SEPARATING FROM 09110	EPARATING F	POH 09110		(RTJ229)	18 1	17.75
REFERENCE DATA	DATA							PARAMETRIC DATA	C DATA	
SREF = 2690.0000 SQ.FT. LAEF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	S YHRP S 2748P	• • •	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH - ALPHA - DALPHA - Y	4.530 .000 -20.000 200.000	PTOTAL = 8E fA = 08E TA = PCH=BR =	110.000 .000 -20.000
	PER NO.	0. 739/ 0	RN/L	6.60						
ÖR	X 300.660 300.250	2 800.670 999.740	CN 7.06545 7.06552	CLM .03346 .03337	CY .00202 .06210	CYN 00179 00188	. 00056	CA .16836 .17021		
	<b>PCN NO</b>	0. 746/ 9	FN/L .	6.60						
. 009	X 600.330 600.140	Z 800.200 999.8 <u>2</u> 0	CN 06524 06520	ССМ . J3287 . 03365	.00195	CYN 00183 00183	CBL .00054 .00053	CA . 16872 . 17234		
	75. 80.	. 745/ 0	RN/L .	6.60						
000	X 900.430 900.480	2 800.130 999.820	CN 06509 06523	CLM .03360 .03366	CY . 001855 . 00191	CYN -,00163 -,00183	CBL . 00053 . 00054	CA .17214 .17244		
		[A13	M (85) aus	IAI3 SRE158) W/O PLUNES SEPANATING FROM 09110	EPANATING FI	ROM 09110		(RTJ230)	() (31 J.K.	K 78 )
REFERENCE L	CE UATA							PARAMETRIC DATA	DATA	
SPEF = 2690.0000 SQ.FT. LPEF = 1290.3000 INCHES BPRF = 1290.3000 INCHES SCALE = .0100	X X X	10.5	10%				MACH - ALPHA - DALPHA - Y	4.530 .000 -20.000 430.000	PTOTAL BETA BETA BOHMBR	
	75 70 70	0 /12 .	FBV/L -	6.60						
X I	× .586 058	2 800.800 999.560	CN 05154 06570	. 021 <b>96</b> . 03334	CY 002¥\$ .00216	.00170 00191	CBL . 00076 . 00055	CA . 15910 . 16808		
	PEN NO.	3 12N .	FBN/L .	6.60						
300 300 866	x 300.250 299.870	2 800.360 899.450	CN 06539 06%71	CLE: .02332 .03751	. 0022	CYN 00196 00186	CBL . 00055 . 00055	. 16734 . 17051		

(RTJ230) (31 JR 75 )

IC DATA	PT07AL = 110.000 BETA = .000 DBETA = .20.000 PCI47BR = .000					(31 JUL 75 )	C DATA	PTOTAL = 110.070 BETA = .000 CBETA = -20.000 PCH#BR = .000						
PARAMETRIC DATA	4.530 .000 -20.000 400.000		CA .16739 .17248		CA . 17244 . 17239	(RTJ231)	PARAHETRIC DATA	4.530 .000 -20.000 800.000		CA . 16649		CA . 17233		CA . 17247
	MACH ALPHA - DALPHA -		CBL .00054 .00054		. 00054 . 00054			MACH ALPHA B		.0005 .0005		. 00056		CBL . 00055
			CYN 00184 00183		CYN 00184 00184	ROM 09110				CYN 7.00185		CYH 00189		CYN 00188
			CY .00199 .00196		CY .00199 .00197	1A13 SRB(SB) W/O PLUMES SEPARATING FROM 09110				CY . 00199		CY . 00215		CY .00209
		6.60	CLM .03244 .03368	6.60	CLM .03366 .03366	/0 PLUMES S			6.60	CLM .03218	6.59	CLM .03366	6.59	CLM .03258
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. Zī	RN/L -	CN 08504 06523	RN/L .	CN 06517 06521	3 SRB(SB) H		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L -	CN 06489	RN/L .	CN 06524	RN/L -	CN 06525
		0 / 747 0	2 800.660 899.ጉረ	0. 748/ 0	2 800.230 992.960	Ĭ			0 746/ 0	2 799.600	0. 750/ 0	2 800.660	). 751/ 0	2 800.410
REFERENCE DATA	SPEF = 7e50.0000 SQ.5T. XMRP LREF = 1290.3000 INCHES YMRP BREF = 1290.3000 INCHES ZMRP SCALE = .0100	RUN NO.	025.009 027.009	RUN NO.	x 900.290 900.520		REFERENCE DATA	SREF = 2690.0000 SQ.FT. XHRP LREF = 1290.3000 INCHES YH.RP SCALE = .0100	PUN NO.	X -1.218	RUN NO.	X 300.610	RUN NO.	x 800.610

CA . 17234

CBL . 00055

CYN -.00187

CY .00210

X Z CN CLH 900.560 800.510 -.06512 .03363

RUN NO. 752/ 6 RN/L . 6.60

der #

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## IA13, SRB (SB) HITH PLUMES SEPARATING FROM 29710

( 31 JUL 75 ) (RTJ252)

PARAMETRIC DATA

5.000

PTOTL EETA OBETA PCHMB

5.000 5.000

MACH -ALPHA -DALPHA -X

### REFERENCE DATA

- 1052.0500 IN. XT - .0000 IN. YT - 447.0000 IN. ZT XMRP YMRP SPEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES S BPEF = 1290.3000 INCHES S SCALE = .0100

### RN/L = 1.73 RUN NO. 8537 0

	2	3	g E	Շ	C	ණ	<b>∀</b>
	.020	02898	02169	23927	00773	00394	10721
	49.980	02527	00625	31956	02632	.00360	.11260
	97.865	. 02850	.0078	38750	03923	.00932	. 12199
	47.510	21860.	.01900	42000	04020	£6900°	. 12825
	00.000	41751.	.03188	40483	03300	.00328	.13814
5 96 .	299.900	. 20267	104457	-, 33332	02239	00278	15891
•	041.00	. 18072	34680.	27982	94100.	01076	. 16862
•	69.770	16861	.00291	-,21652	.0140.	02335	. 16640
₹. 10.	0 /#58	RN/L .	1.73				

₹	. 17684	. 17205	. 16477	. 15577	.15335	.15974	.17499	.18327		5	. 19390	47161.	. 18842	67781.	. 18127	17879	. 18205	.19164
96	02012	- 04422	02135	02038	02152	02594	03021	03092		Ą	02828	03139	03404	03623	03778	03923	04207	04178
CAN	00774	0085¥	00591	00536	00051	.02153	.04576	.08200		CÁN	.03845	14840.	.04982	.05745	.06558	. 08536	10957	01941.
Շ	26616	-, 29622	. 32048	34791	37555	40338	65204	-, 35268		Շ	32261	34305	36375	38288	39716	41437	43627	43234
C.	.01867	.01631	.01288	.00839	.01240	. 02290	. 02324	03198	1.73	SL.	.03320	.03092	.03019	.02880	. 02569	.01452	00196	05955
Š	+0460	06939	^3026	. 00232	.02696	.06738	61060.	. 18029	RN/L	ટ	12290	11183	10024	08440	06256	00951	.04309	. 16656
2	827	50.794	100.860	150.740	200.790	301.700	400.480	599.850	NO. 855/ 0	2	5.5.	49.698	59.521	149.480	199.110	239.000	398.910	598.380
<b>&gt;</b> -	201.850	201.440	200,450	201.340	200.720	199.850	199.300	200.220	A SS	>	400.180	299.720	400.090	399.790	1.00.280	400.6:0	402.110	407.070

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(RTJ233)

IAI3, SABISBUILTH PLUMES SEPARATING FROM 03110

28.900 5.000 .000 PTOTL BETA DBETA PCHMB PARAMETRIC DATA .18596 .18559 .17799 .17401 .17861 .15898 .15898 .15021 .14411 .15051 .15057 4.510 5.000 5.000 .112943 .12943 .13003 .13591 .15271 .15859 CBL - . 02590 - . 02927 - . 03204 - . 03379 - . 03485 - . 03565 - . 03857 - . 04077 .00884 .00784 .00793 .00489 -.01102 CB.
-.01753
-.01910
-.01931
-.01831
-.01871
-.02248
-.02765 HACH ALPHA DALPHA CYN .02547 .02849 .03361 .04001 .04031 .06969 CYN
-.02477
-.04083
-.05081
-.04832
-.03979
-.02502
-.053939 CYN -.00916 -.01139 -.01439 -.01344 -.00769 .01200 .03646 -.26137 -.37957 -.46905 -.45511 -.40866 -.32427 -.28128 CY - . 25105 - . 28549 - . 31135 - . 34535 - . 36533 - . 39249 - . 34408 -.30638 -.32702 -.35032 -.37161 -.41380 -.42980 -.05898 -.05837 .00228 .02198 .03416 .04515 .04298 CLH .03383 .02635 .02677 .02679 .02127 .00558 .00943 .00200 -.00002 .00387 .01677 .02136 CLM .01216 7.7 - 1052.0000 IN. XT - 00000 IN. YT - 447.0000 IN. ZT CN -.00749 -.01947 .05131 .13640 -.08067 -.06182 -.00844 .04509 CN -.07960 -.05469 -.01173 -.11095 . 22122 . 19682 . 17452 .08527 .08527 .10349 -. 12997 RAY. PN/L 0 .048 50.201 100.420 150.570 200.430 301.240 400.830 -711 49.019 99.160 149.010 198.220 298.970 400.010 .359 50.065 99.791 149.840 202.170 299.740 3399.760 92 9577 926 ġ ġ <u>8</u> 8 402.890 400.650 400.250 400.220 401.100 399.650 399.930 400.120 202.1 202.1 699. 1.271. 200. 398. 7 1999 680 1999 500 1999 450 200 9430 200 9630 199 630 201 480 REFERENCE DATA 2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES SREF -LREF -BREF -SCALE -

(RTJ234) (31 JUL 75 )

## IAI3,598(58)HITH PLUMES SEPARATING FROM 09TIO

	28.900 5.000 -5.000																						
	• • • •																						
: DATA	P101L BE1A 08E1A PCHFB																						
PARAMETRIC DATA	0000.		CA . 15573 . 14846		చ	.14037	. 13579	. 12656	. 12675	. 12957	.13510	. 15173	16891		<b>ئ</b>	. 17347	11344	. 17718	17734	. 17400	.16714	.17358	.17817
	HACH ALPHA • OALPHA •		CBL 00963 01806		<b>8</b> 5	01491	9/hlu'-	01523	01628	01699	01736	02216	03013		룏	02167	02503	02850	03137	03349	03425	03568	03759
			CYN 00508 .03270		C	01289	01722	01998	01903	01328	.00407	. 02423	. 06480		CYN	.02217	. 02083	.02199	. 02569	.03495	.05377	78770.	. 12331
			CY 26900 20422		Շ	-, 23801	26938	31704	35619	36997	37852	37880	-, 32689		Շ	29047	31541	-, 33891	36004	38013	40780	43400	41056
		1.78	CLM .04882	1.76	Ę	03078	01808	02321	01931	01051	90100	.01430	00753	1.76	고 도	.03356	. 02858	.02686	.02305	. 02225	.01956	.01270	03620
	082.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	FBV/L =	CN -71093 -16926	RN/L .	ક	02260	01848	.01637	68740.	.07243	.10636	. 12071	15350	RN L	8	13430	11743	10157	07978	06113	01218	.03200	. 15501
		0 /668 .	2 400.216 600.150	. 902/ 0	2	538	49.110	98.685	148.990	198.560	299.060	016.662	599.670	. 903/ 0	7	-1.232	50.264	100.320	150.330	200.530	301.290	400.820	599,980
REFERENCE DATA	A.FT. KHEP KHES YHER KHES ZHRP	ACN NO.	,371 .371	ACN NO.	>	199.450	199.250	193.020	200.090	201.340	201.830	200.100	200.720	PUN NO.	>-	398.620	401.040	400.750	400.700	400.670	400.630	400.660	400.340
REFEREN	2000.0000 80.FT. 1890.3000 INCHES 1290.3000 INCHES																						
	SPEF . BREF . SCALE .																						

n, 1

	REFERENCE DATA	₹						a.	PARAMETRIC DATA	DATA			
SPEF . BREF . SCALE .	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	X2586 X7868 X7868 X7868	. 1952.00 	1952-0000 IN. XT .0000 IN. YT 447-0030 IN. ZT				MACH ALPHA DALPHA X	4.510 .000 5.000	PTOTL BETA DBETA PCHMB		28.900 5.000 -10.000 1500.000	
	•	PUN NO.	0 /008	RN/L .	1 76								
	,		•	3	×	7	CAN	<b>18</b> 5	C.A.				
	- n	- n	7	87719.	.05+20	25109	00591	-, 00952	.15918				
		1.050	599.790	7+6+1	.0221	. 19453	.0287₩	01783	.15125				
	-	RUN NO.	0 /526	RN/L -	1.76								
	,		•	Z	¥	Շ	CYN	95	3				
	- 6	מצצ	198,420	.10183	- 03279	35246	02323	01190	.11531				
	בינלק ל	070	259.500	7.129.1.	.00061	35793	00619	01534	. 12997				
	- 002	270	399.840	. 12032	.01055	36182	.01466	01710	. 14553				
	201.050	020	599.720	. 16039	01100	32000	.05756	02752	. 16662				
		RUN NO.	0 /426 .	FN/L .	1.76								
	>		~	3	r U	۲	CAN	res.	ర				
	- 602	9	201	04026	1.04744	26559	.007 <b>6</b> *	01712	. 16235				
	56E	670	40.704	0:968	05838	28945	.00825	02045	.16393				
	078,000	07.60	99.257	58710	05400	31107	<b>*</b> 0010.	02329	. 16407				
	399.	720	149.480	05713	004001-	33062	90+10	02637	16541				
	400	061	198.640	05973	.01064	35380	.01935	02784	.1691.				
	.004	390	298.340	01592	£+600°	40330	.03867	03112	64491				
	400.	011	399.850	15040.	.00653	42482	.06164	0344B	15477				
	+00	098	599.690	. 14163	02605	٠. ٩ ۽ 100 ا	.10753	03532	.17350				
			1413	3,5R8(58)HI	TH PLUMES S	IAI3,SRBISBINITH PLUMES SEPARATING FROM 09110	ROM 09710		(PTJ238)		Ē	(31 JUL 75 )	
	REFERENCE DA	DATA							PARAMETRIC DATA	C DATA			
	;							1	3	PTOT	•	900	
	2690.0000 SQ.FT.	2 S	. 1	1052.0000 FN. XT					000	BETA		5.000	
ייי אליקיי אליקייי	1290.3000 INCHES	0		Z				DALPHA -	5.000	D96TA	•	20.000	
SCALE .	0010		)					•	00،	<b>BC+13</b>	٠	1506.003	
		RCN NO	0 /106 .1	RN/L .	<b>8</b> .1								
	<b>&gt;-</b>		7	CN 21997	CLM	ر ا ا	CYN	CBL	CA 17473				
		412	599.830	.17045	.04378	. 19050	.02609	01463	16414				

(31 JAL 75 )

(8TJ236)

## 1413, SRB (SB) HITH PLUNES SEPARATING FROM 09710

	000 000				
	28.900 5.000 -20.000				
C DATA	PT01L BE1A 08E1A PCHMB				
PARAMETRIC DATA	9.000 000 000 000 000		CA .15416 .17198		.13164 .13129 .14446 .16623
	HACH ALPHA DALPHA X		CB. 01431 02558		CBL -,00916 -,01613 -,02320 -,03334
			CYN , 00505 , 04289		CYN 02937 00586 .02718
			CY -,33452 -,31390		. 27726 - 36467 - 38984 - 38488
		8.1	. 02114 . 01954	1.75	CLM 13133 04936 01537 00489
	1052.0000 IN. XT ,0000 IN. YT 447.0000 IN. ZT	RN/L	. 13389	RN/L .	CN .10242 .07208 .09167
	• • •	. 942/ 0	2 399.800 89 <b>0</b> .800	RUN NO. 9437 0	2 139.900 297.990 399.970 599.700
_	08 1.7 24 X X	RUN NO.	2 2	오 곡	<b>9.2</b> 9.8
REFERENCE DATA	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	đ.	7 200.280 201.180	€	Y 400.820 401.370 400.860 401.420
	8 7 7 7				
	SREF LREF • BREF • SCALE •				

# 1413, SPB(SB) HITH PLUMES SEPARATING FROM 09110

(RTJ237) ( 31 JUL 75

	PEFE	RENCE DATA	ATA							PARAMETRIC DATA	DATA		
1385	2690.0000	S0.FT.	<b>A</b>	1052.	1052.9000 IN. XT				MACH PHA	4.510	PTOTL PFTA		5,000
. ביי מפרה	1240.3000	INCHES			TZ .WI 0000.744				DALPHA -	000	DBETA	,	5.000
SCALE .	0010								• ×	000.	PCHI48	=======================================	500.000
			PCN NO.	0 /658	RN/L	1.75							
		<b>&gt;</b>		~	ટ	ş	Շ	Š	96	5			
			£73.	.078	-,04688	01313	23381	.00890	C+800'-	10169			
		,	75	50.069	04103	00760	30969	01976	.00178	60901			
		•	690	100.280	.00113	.00666	39489	03721	£1800.	.11631			
		1	385	150.270	.07715	.01938	43731	04093	.00875	12146			
			Ķ	200.400	. 14273	03050.	42361	17750	+0900.	12947			
			0+1	2.79,990	20614	SEC+0.	34192	02999	00020	14561			
			10 A	₩00.060	.20157	17710	28542	01294	C+C00	. 16386			
			. 167	559.910	. 16953	.01563	22699	.03205	02050	.15873			
			.588	199.970	.21641	05950	16731	04829	01968	.17188			
			.103	839.850	.21891	11401	- 15155	.04807	01113	. 18069			

(31 JUL 75 )	
1A13.588(58) WITH PLUMES SEPARATING FROM 09110	

	68.900 5.000 9.000																								
: DATA	PTOTE BETA CBETA	g E																							
PARAMETRIC DATA	0.000		<b>5</b>	.16839	.17166	. 16235	.15135	. 14615	61.641.	16321.	17909	.18508	. 18450		5	. 20039	60861.	. 1964 <b>5</b>	.19400	. 18888	17890	1.1871	. 18879	19:07	.18158
	MACH ALPHA -	·	85	01616	01982	01989	01758	-,01693	02084	02741	03022	03306	02407		g	02379	02849	03243	03545	03714	03745	03785	04104	03361	03762
			CYN	00410	00518	00438	00765	+0600	.00505	64020.	.06645	77560,	.08654		ČÁ	.02353	97750.	.03309	57720.	.04539	.06431	.08778	. 13492	.13690	11499
			ć	24421	440821-	9780E ·	33598	36607	39564	40083	36010	29577	23529		Շ	29647	-, 32319	34678	36733	38695	42012	-,44293	43833	36376	27687
		ž.	CLN	.01992	56150.	.01959	.01163	.01079	10610.	.02634	01280	08215	14974	1.75	¥ TO	.03490	.03193	.02785	.02519	. 02455	. 02259	.01222	04197	12665	1.16471
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L .	8	0950	09050	05574	01783	.01689	.07161	.10057	.15601	.23791	.26092	RN/L -	ક	13854	-, 12651	+.10824	08734	<b>5</b> 7590.−	-,02567	76080.	15229	. 25390	.25313
		. 960/ 0	7	036	50.206	100.900	150.840	PJS. 330	3vc. 050	400.990	599.830	799.920	999.780	. 961/ 0	7	198	778.05 67	99.558	149.640	196.850	298.850	399.980	600,500	901.410	999.150
REFERENCE DATA	SREF - 2690.0000 SQ.FT. XMRP LREF - 1290.3000 INCHES YMRP BOEF - 1290.3000 INCHES ZMRP	SKALE	<b>&gt;</b> -	202.130	901.160	001.005	050:105 /	299.820	069.002	071.661	200.420	230.110	200.110	RUN NO.	>-	399.400	399.840	399.980	394.730	080.004	015.004	400.290	077.504	00.004	011 CO1

(RTJ238) ( 31 JAL 75 )

## 1A13, SPB(SB) HITH PLUMES SEPARA! NO FROM 09710

DATA	PTOTL = 28.900 BETA = 5.000 DBETA = .000 PCH48 = 1500.000																																				
PARAMETRIC DATA	0000 0000		۲۷	74780.	. 09611	11624	. 12070	. 12595	. 13945	.15511	.15023	.16056	. 1864 /		3	.15702	. 15535	.14638	.13715	.13242	. 13850	. 15329	.17617	18041	69481		<b>క</b>	18804	. 18722	1859*	. 18472	. 1823¥	.17338	17347	.18092	.18980	16493
	MACH ALPHA . OALPHA .		ø	004Q+	1.000.	.01047	.0110	01600.	₹2000°	00739	01907	-,01000	01035		CB.	01858	61610	01674	01473	01333	01568	02322	0282 <b>8</b>	03145	-, 02499		<b>1</b> 65	- 02228	02547	02854	03105	03248	03363	03489	03902	-,03556	3. 3. C
			CXN	01029	04060	05234	05364	04786	03461	01624	. 02683	, 04307 10070	. 0450 .		O Y N	*E+00.	00467	00770	01477	01561	00557	£6610	. 05577	. 08523	.08+66		CYN	64020	.02110	. 02418	.02833	.03423	.05131	.07205	6+021.	18337	1:520
			Շ	24609	36670	45627	46174	42658	33159	27792	-,21773	E0.781	1841.		ć	24348	27531	30383	32815	35183	39199	- 38411	6+2+6 -	28433	23555		č	+1262	32089	34172	35864	37517	41265	5-854	42505	36739	3382 -
		1.72	E/S	09458	09684	07192	04587	02371	.03348	. 04598	\$63.0°	04077	0	1.72	CLM	.02095	77510.	**B00.	.00028	16000	.0110	.02033	652001-	05784	14383	57.1	C.	.03506	.03366	.03355	86020.	4:8co.	. 02533	.01698	02898	10576	15505
	1632.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L .	3	.01562	.03813	. 09692	. 17531	.23204	. 23692	. 21750	17739	.20531	<b>6</b> + COO •	RN/L	Š	09587	08376	03999	++000·-	.03056	. 085+1	11096	.14333	. 22473	. 26381	RN/L	ક	-, 13809	12361	10907	09153	07450	03304	.02865	.13536	23395	. 25327
	1032	0. 864/ 0	~	-1.122	50.180	130.120	149,700	199.650	239.630	399.570	599,830	800.020	938.360	PUN NO. 863/ 0	2	- 13年	461.64	99.324	149.160	197.990	298.900	400.050	593,920	799.900	:000.709	). 862/ S	7	-, 337	50.437	100 350	150.220	200°480	301.180	401.270	599,850		<b>604 500</b>
RCFERENCE DATA	SAREY - 2390,0000 SQ.FT. XHRP LAREY - 1290,3000 INCHES YHRP SCALE0100	RUN NO.	>-	318	1.612	153	9/ <i>T</i>	653	812.	108	019	7.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	n.	P.CN. N	*	198.800	199.930	004.661	199.470	199.720	520	200.150		•	089·661	PUN NO.	<b>&gt;</b>	064.50¥	401.230	018.00+	400°180	401.020	400.869			_	397.620

lь , <sub>(},</sub>

Section Continue Co	DATE DE AUG	AUG 75	.1 <b>v</b> 1	1A13 SOURCE DATA							~	PAGE 318
PARAMETRIC   PAR				.IAI	3,548(58)411	H PLUMES SI	EPARATINO F	ROP 09710		(RTJ2	38) (31 JA	JA 75 1
### 1990.000 50.FT   XMPR   * 1.052.0000 IN. YT   ALPA   * 1.000 IN. YT   ALPA		PEFERE	INCE DATA							PARAMETRI(	C DATA	
REFERENCE DATA   2 CN   CUM   CY   CYN   COR   COR	SAEF LREF BREF SCALE			1052					-		PTOTL BETA DBETA PCHMB	28.900 5.000 .000
FREE   FREE			SC.			1.70						
### PREFERENCE DATA    FREFERENCE DATA   FROM OSTION   FRO			Y 800.280	<b>2</b> 79 <b>9</b> .770	NO	CLM 12031	CY 34732	CYN . 17221	CBL 04295	CA , 18687		
### FEFENCE DATA  - 8890 0000 \$0.FT, NFP = 1052 0000 IN. XT  - 1290 3000 INC-ES				[14]	1,SR8:58)WIT	H PLUMES S	EPARATING F	ROM 09110		(RTJ2		(31 JUL 75)
1.290, 3000   INCHES   XT4PP     1.052, 0000   IN   XT		REFERE	1.4							PARAPETRIC	DATA	
NO. 906/ 0         RN/L =         1.75           Z         CN         CLM         CY         CYN         CBL           400.140         .22323         .04996        26534        02181        00689           599.670         .18282         .01553        20841         .02315        01676           799.920         .19893        04286        16096         .04192        01175           899.730         .22351        10571        14550         .04362        01676           NO. 904/ 0         RN/L =         1.75          CVM         CBL           A. 2948	SPEF .	2690.0000 S 1290.3000 I 1290.3000 I	· ທ ທ	• • •					ځ د	3. 0000. 0000.	PT0TL • BETA • DBETA • PCHMB •	28.900 5.000 -5.000 1500.000
Z         CN         CLM         CY         CVM         CBL           400.140         .22323         .04896        2653M        02181        00688           599.870         .18282         .01553        20841         .02315        01676           799.920         .19893        04226        16096         .04192        01676           799.730         .22351        10571        14550         .04362        01072           NO.         904.0         RN/L =         1.75         RA         CN         CN           Z         CN         CLM         CY         CVM         CBL          244        01946        04832        23836        01590        01990           98.739         .00963        06618        27437         .00159        01990           98.739         .05185        06618        25437        01970        01456           148.810         .08220        02709        01659        01456           298.520         .13313        02738        35720        01530           298.540         .13813        00355        35095        01530 <td></td> <td></td> <td>\$</td> <td></td> <td></td> <td>b. 1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			\$			b. 1						
400.140         .22323         .04996        26534        02181        00689           599.670         .18282         .01553        20841         .02315        01676           799.920         .19893        04226        16096         .04192        01755           999.730         .22351        10571        14550         .04362        01075           NO. 904/ 0         RN/L = 1.75         CY         CY         CY          244        01946        04832        23836        01599        01990           49.296         .00963        06818        27437         .00159        01990           98.739         .05185        06189        2459        01970        01410           148.810         .08220        0509        3559        01970        01452           198.50         .05185        06509        3559        01670        01452           198.50         .05185        06709        3559        01970        01452           198.50         .05185        06509        3569        01970        01970           298.50         .05185        07209 </td <td></td> <td></td> <td>&gt;-</td> <td>7</td> <td>8</td> <td>£</td> <td>Շ</td> <td>Ç</td> <td>පි</td> <td>ర</td> <td></td> <td></td>			>-	7	8	£	Շ	Ç	පි	ర		
799.970 .18282 .0155320941 .0231501676 799.920 .199930422616096 .0419201755 999.730 .223511057114550 .0436201072  NO. 904/ 0 RN/L = 1.75  2 CN CLM CLM CY CVM CBL244019460493223836 .0124802127 49.296 .00963061827437 .0015901990 148.810 .082200722523536 .0165901410 148.810 .0822007225350390197001452 199.590 .00363050993593901930 299.790 .13839 .00335359350153901730 599.920 .142110035533116 .0492402682 799.790 .263321396727859 .0796902972			899	400.140	. 22323	.04896	- 26534	02181	00689	14756		
7.99.730			u	599.870	.18282	.01553	- 20841	.02315	01676	90141.		
NO.         904 / 0         RN/L =         1.75           Z         CN         CLM         CY         CVM         CBL          244        01946        04832        23836         .01248        02127           49.296         .00963        06818        27437         .00159        01990           96.739         .05185        08128        21450        01990        01990           148.810         .08220        07225        35530        01970        0145           298.520         .13103        02738        35720        0153        0140           399.940         .13839        02738        35720        0153        0107           598.520         .14211        00355        35095        0153        0173           799.730         .21240        06131        27859        0173        0173           799.730         .21240        06355        35095        0173        0173           799.730         .22240        0635        0173        0278        0173           799.730        14211        00355        35095        0173			, 4 <u>5</u>	999,730	. 22351	10571	14550	.04362	01072	.17800		
Z         CN         CLM         CY         CVM         CBL          244        01946        04832        23836         .01248        02127           49.296         .00963        06818        27437         .00159        01990           98.739         .05185        08128        27437         .00159        01990           148.810         .08220        07225        01970        01452           198.520         .09974        05009        3550        01970        01452           298.620         .13103        02738        35720        01593        01071           399.940         .13839         .00335        35095         .00532        01730           598.920         .14211        00355        33116         .04924        02682           799.790         .21240        06131        27859         .07969        02972           299.950         .14211        00355        33116         .02927        02972           2999.850         .26332        11367        27859        07969        02972			2			5. 5.						
244        01946        04932        23836         .01248        02127           49.296         .00963        06818        27437         .00159        01990           98.739         .05185        08128        10550        01970        01990           148.810         .08220        07229        15539        01970        0140           298.50         .09374        0509        3592        01370        01306           298.50         .13103        02738        35095        0153        01730           599.940         .14211        00355        33116         .04924        01730           799.790         .21240        06131        27859         .07969        01730           999.850         .26332        13967        27769        02769        02771			>	7	8	r,	ť	2	ස්	ర		
49.296         .00963        06818        27437         .00159        01990           98.739         .05165        08126        01659        01410           148.810         .08220        07226        15539        01970        01452           198.520         .08274        05009        15539        01970        01452           298.520         .13103        02738        35720        0153        01071           399.940         .13839         .00335        35095         .00537        01730           598.520         .14211        00355        3116         .04924        02682           799.790         .21367        27859         .07969        02972           999.850         .26332        13967        23764        02671			198.470	\$	01948	04832	23836	.01248	02127	13514		
98.739 .0518508128302500155901410 148.810 .0822007225345040197001452 198.520 .0997405709359390202201306 298.620 .1310302738357200159301071 399.940 .13839 .0033535095 .0053701730 599.920 .142110035533116 .0492402682 799.790 .212400613127859 .0796902972			196.490	49.23B	.00963	06818	27437	. 00159	01990	13047		
148.810			198.580	98.739	05185	08128	30250	01659	01410	. 12456		
198,5200997405009359390202201306 298,620 . 1310302738357200159301071 399,940 . 1383900335350950053701730 599,920 . 1942100355331160492402682 799,7902124006131278590796902972 999,850263321396723764			200.340	148.810	. 08220	07228	34504	01970	01452	.11803		
298.670 . 13103027383572001071 399.940 . 1383900335350950053201730 599.920 . 192100355331160592 799.790 . 2124006131278590796902972			201.070	198.520	₹660.	05009	35939	02022	01306	. 11579		
599, 920 . 19411 - 100355 - 133116 . 10297 - 102682 . 1991, 909, 920 . 1901 - 102682 . 1901, 909, 920 . 1901 - 102972 .			201.410	298.620	.13103	02738	35720	01593	1,0107	.11887		
799.790 - 212400613127859 .0796902972			200.390	599.950	1421	00355	33116	ナんガナン	02682	6219		
999.850263321396723764 .0826402471			200.240	799.790	.21240	06131	27858	.07969	02972	. 16932		
			199.910	999.850	.26332	13967	23764	, 08264	02471	.17923		

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. 25 .		20.900	-5.000	1500.000															
<b>ゴ</b>				-															
(RTJ239) ( 31 JUL 75	DATA	PTOTL	BETA OBETA	PCHMB															
(RTJ23	PARAMETRIC DATA	4.510	000.	000		ర	. 16857	66691.	17129	17169	. 16912	.15558	.16035	.17156	. 18059	.18093		5	. 18823
		•	• •				0	5	<u>N</u>	Ē	ō	=	٥	9	<b>6</b> 0	8			<b>,</b>
		MACH	DALPHA	×		된	02040	0236	02632	02795	02509	02931	03072	03606	03708	03208		SPL	04334
ROH 09710						S.	, 02 <b>6</b> 14	. 02382	. 02196	. 02245	. 02561	.03704	.05387	10737	13149	. 11646		C	.17798
IAI3, SRB (58) HITH PLUMES SEPARATING FROM 09110						Շ	28548	31119	33014	34710	36489	39714	41067	40602	36179	28791		Շ	36195
TH PLUMES S					<u> </u>	<b>.</b>	£050.	.03297	.03132	.03350	. 03059	. 02246	.01615	02078	09209	15468	1.75	بر ت	11838
3,5RB(58)W]			TA . NI 0000 . THE		RN/L .	3	- 14:01	11960	10632	09997	08434	03308	. 32714	. 12897	.21920	. 26515	RN/L .	ક	.16834
141		•	C **		905/ 0	2	1. UKE	50,344	100.300	150.270	200.310	301.270	401.410	599.980	799.940	999.930	3 /068	2	798.490
	INCE DATA		ES 2489		RUN NO.	<b>&gt;</b>	400.250	401.240	400.469	¥00.520	400.870	400.610	399.830	400.100	400.370	400.220	PCN NO.	<b>&gt;</b>	199.800
	ENCE	50.FT.	INCHES				3	Ŧ	¥	3	ž	¥	ĕ	ž	¥	ž			27
	PEFERE	2690.0000	1230.3000 1	.0100															
		•	•	پ															
		SPC		₹8															

## IAI3, SRB (58) HITH PLUMES SEPARATING FROM 09710

(RTJ240) (31 JUL 75

PARAMETRIC DATA	MACH . 4.510 PTOTL . 28.900	ALPHA = .000 BETA = 5.000	DALPHA 000 DBETA10.000	X - 1500.000 - 1500.000	
	XHBP - 1052.3000 IN. XT	.0000 IN. YT	ZMBP ~ 447.0600 IN. ZT		
	•	•	•		
∢		7	2160		
REFERENCE DATA	\$6.FT.	- 1290.3000 INCHES	<ul> <li>1250, 3000</li> </ul>	SCALE0100	
	ð	_	Ē.	υ	

5	. 15666	14713	. 16323	1 7849
CB.	00574	664:0'-	01560	01344
25	02694	.01529	.03769	104684
Շ	24067	19357	16191	15997
r C	.04650	. 02233	04346	12 II.
3	. 23763	¥0191.	. 19950	.24571
M	399.530	599.8+0	799.790	999.830
<b>&gt;</b>	8	₹.08	013	.583

RN/L . 1.75

RUN NO. 909/ 0

CHILITIAN COLDINE

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. 75		28.900 5.000 -10.000																				
3																						
Ē		۵ ≯ س																				
(RTJ240) (31 JUL 75	C DATA	PTOTL BETA DBETA PCHMB																				
(RTJ2	PARAMETRIC DATA	\$.510 .000 .000		ర	.10492	.11402	. 12573	. 15543	.16774	.18207		క	.15093	15549	.15788	. 15742	. 15669	. 15053	.14766	. 16497	.17812	. 18503
						m	,	σ.	۲	'n				60	^	a	80	۲	æ	on:	7	
		MACH ALTHA DALPHA X		<b>18</b> 3	00404	00678	01054	03329	06.697	02+75		85	03300	03098	02717	02152	02218	02557	02768	03259	03747	03021
ROM 09110				C AN	02851	02620	01018	96240'	.07761	.08368		C	.05963	57140.	.02318	.00857	₩8800.	.02103	.03807	<b>+0060</b> .	12698	.11358
1813,SRB(SB)HITH FLUNES SEPARATING FROM 09110				გ	32447	~.33266	-, 33995	-,31463	26470	23,72		Ç	31104	30702	30476	31333	34021	39057	41211	40858	35300	28288
TH PLUMES S			ž	£	15602	09693	02888	-,00199	04977	-, 14454	1.75	CLM	02591	05029	05195	05224	04856	01529	00910	01849	-, 07448	16686
3,5RB(SB)WI		052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	FN/L	8	.22460	. 22436	.16506	.15969	. 20369	.27536	- '/Z	ક	05851	02692	02171	- 01829	15410	00636	04740.	. 13287	.21377	£1082°
Ξ.		. 1052.0000 	0 /925	2	198.580	299.160	399.880	599.830	799.810	939.850	0 /266	7	053	49.99B	99.967	149.780	198.350	298.200	400.010	599.850	799.940	999.920
	17	XHRP VHRP ZHRP	RUN NO.		920	330	820	0+0	210	% %	R.W. NO.		530	え	410	180	570	820	540	230	710	930
	ENCE DATA	SO.FT. INCHES INCHES		>	200.950	201.330	200.820	200.840	200.210	200.240	-	<b>&gt;</b>	399.530	399.240	399.410	399.180	399.570	400.850	400.540	400.230	400.710	398.830
	REFERE	2690.0030 S																				
		SREF LREF BREF SCALE																				

CA . 18759

CBL -.04323

CYN . 17813

CY -.37240

CL# -. 11224

CN . 16567

2 800.500

Y 802.180

1.75

R. L.

RUN NO. 8917 0

1A13 SOURCE DATA DATE DE AUD 75

In b

## IAIS, SRB (58) HITH PLINES SEPARATING FROM 09110

(RTJ241) ( 31 JUL 75 )

**58.900 5.000 1.500.000** 

DATA	PTOTL BETA OBETA PCHMB
PARAMETRIC DATA	000.
_	MACH ALPHA DALPHA X
	X DAL X
	X X X
	XMRP = 1052.0000 IN. XT YMRP = .0000 IN. YT ZMRP = 447.0000 IN. ZT
	• • •
_	2004.X
REFERENCE DATA	
REFE	SREF = 2630.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100
	• • • •
	SPEF LREF BREF SCALE

	2
	t
₹ -	Z
0 RN/L =	3
917.0	7
PUN NO.	>

	7	ક	ਹੈ ਹ	Շ	Z	<b>8</b>	ర
	399.800	. 23753	. 08047	23984	01245	00845	. 18215
	599.840	. 17423	. 05509	19633	. 02075	01544	. 16595
	799.780	. 19108	00817	15927	.03385	01628	. 16978
	939.850	. 23263	08727	14594	. 04 192	+E+10	.17955
Š.	0 /1+6	RN/L	£ :				
	2	8	C.H	Շ	CYN	<b>18</b> 5	5
	399.970	.21584	05640	27101	04221	.00653	.14515
	599.740	1.13271	.01752	31731	. 02836	02344	15027
_	001.070	.17224	02+90	7.182.	.06788	02877	. 17485
=	000.000	.2534¢	11062	25472	.08195	02657	. 18506
ġ	0 /0%	FRV.L	£ :				
	~	ક	K-To	Շ	Š	<b>18</b> 5	\$
	298.640	. 18918	16286	-, 32255	03165	00892	10804
• •	199.960	.17975	11532	33518	00689	01101	.12885
•,	599.950	1341.	03729	36754	. 06379	02855	14761
•	799.730	. 16955	05056	37016	. 12263	03881	19171.
=	001.000	. 25657	14135	31324	. 12030	02870	. 18766

RN/L - 1.74 RUN NO. 898/ 0

CBL -.04619 cY -.39801 CLM -.10261 cs . 15724 . *2* 798.990 7 801.920

CA . 17839

In . . . . .

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REFERENCE DATA	UL 75 ;		28.900 5.000 9.000
IAIZ,SRB(SB)HITH PLUKES SEPARATING FROM 09710	٦ =		
TAIZ, SRB (58) HITH PLUNES SEPARATING FROM 09710  TAIX  TO SECOND IN TO THE PARA SECOND IN TO THE PARA SECOND IN TO THE PARA SECOND IN TO THE PARA SECOND IN TO THE PARA SECOND IN TO THE PARA SECOND IN TO THE PARA SECOND IN TO THE PARA SECOND IN TO THE PARA SECOND IN TO THE PARA SECOND IN TO THE PARA SECOND IN TO THE PARA SECOND IN TO THE PARA SECOND IN TO THE PARA SECOND IN TO THE PARA SECOND IN TO THE PARA SECOND IN TO THE PARA SECOND IN THE PAR	(3)	DATA	PTOTL BETA DBETA PCHMB
IAIZ,SPB(SB)HITH PLUMES SEPARATING FROM 09710   AA	€,JTR)	PARAMETRIC	. 510 . 000 . 000 . 000
TAIZ, SRB (SB) WITH PLUNES SEPARATING FROM 09710  A SOME = 1052.0000 IN. XT  YMER =		_	
74 XP8P = 104 XP8P • 44 ZP8P • 44			MACH ALPHA DALPHA X
	1A12, SRB (SB) HITH PLUPES SEPARATING FROM 09710		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT
REFERENCE DA = 2690.0000 50.FT. = 1290.3000 INCHES = 1290.3000 INCHES		<b>1</b>	
REFEF 2690.0000 1290.3000 1290.3000		ENCE DA	SO.FT. INCHES INCHES
		REFE	2690.0000 1290.3000 1290.3000 .0100
			1 1 1 1

SPEF LREF BREF SCALE

	RUN NO.	965/ 0	FBN/L .	1.76				
		2	ક	5	Š	Cys	න්	5
		50.193	06740	00041	32412	.01560	00873	.10619
		100.280	04541	.01537	42608	01242	₩8000	11099
		150.140	.04678	.02354	-,46899	02585	41400.	.11929
		200.300	.12300	.03503	45803	02801	.00432	. 12825
		300.180	.20598	40540.	35787	02605	₩2200.	14039
		400.140	.20355	066+0'	28372	01685	00462	. 15464
	.074	600.060	. 16498	. 02129	+4615	7.610.	01782	.15380
		799 990	.20280	04508	-,16565	.04293	01879	.16529
·		000.100	.22660	10889	15125	.04697	01145	.17964
	PCN NO.	0 /998	RN/L	1.76				
•		2	8	5	Շ	CYN	<b>8</b>	5
<u>~</u>		50.796	08855	.01765	26154	.00126	01827	.16763
200		100.630	07902	.02316	30147	01100.	01942	.16109
ଚି		150.770	04620	.01930	3548	00668	01574	.15151
5	201.640 2	201.140	00774	.01881	36746	44500	01607	.14653
202		302.370	. 06007	. 02581	39209	00259	01638	4484i.
<u>7</u>		+01.360	71660.	.03164	38830	.01662	02145	1518
202		500.020	. 12869	.00550	35070	.05222	02745	.17610
202		799.990	.21262	05921	28911	.08356	03085	.18012
200	200.150	999.910	. 26453	14138	24065	. 08522	02551	18447

. 20353 . 20389 . 20189 . 19935 . 19545 . 17945 . 19179 . 19179

CBL - 02164 - 02554 - 02936 - 03293 - 03439 - 03458 - 03858 - 03858

. 01658 . 01798 . 02119 . 02 51 . 03082 . 06886 . 06886 . 11690 . 13441

CY - 28790 - 31692 - 34362 - 37988 - 42196 - 42767 - 42769 - 42767 - 43808 - 28870

CLH
. 03162
. 03088
. 03081
. 03081
. 02899
. 02703
. 02100
- 02202
- 16385

CN - . 13426 - . 10752 - . 09049 - . 07633 - . 04103 . 02059 . 12770 . 22475

2 - 168 49.672 99.696 1199.170 298.111 699.170 600.660 1000.660

7 398.700 399.440 399.570 399.943 399.850 400.350 402.510

jn., ;

## 1413,588 (58) HITH PLUMES SEPARATING FROM 09110

(3) 34, 75 )	ATA	PT01L • 28.900  BETA • 5.000  08ETA • .000  PCH*8 • 1500.000																																						
(RTUP43)	PARAMETRIC DATA	18.000 .000 .000 .000 .000 .000		3	.07793	99401	. 12578	-13124	.13504	.14388	. 13824	. 15542	.17282		i	. El. E.	10401.	1667	1300 E	7621	13898	0.021	£637.	18244		į	\ \	5 6	0.001	7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1004	1027	ar:c:	20221	18561	18704			•	18993
		MACH A A L PHA A DALPHA B		평	01737	00763	F6000'-	.00531	17800.	00100	0.534	01665	01076		ē	. 03000	£6920.	02216	01884	60310.1	01708	1.02467	F0250 -	02505		Ę	- COL	10000	19160	105764 -	- 02035	12020	03139	66-60:-	03813	03027			æ	10540
FROM OBTIO				Š	11450.	01354	02638	03053	.03381	02842	.01668	.03928	.04270		2	(30%)	41150	71800	60100	00786	+7800.	04103	0748	10180.		3		66410	1010	01.000	025.0	03855	02400	. 10142	. 12812	11469			CYN	18864
1413,SAB(SB)HITH PLUMES SEPARATING FROM OBTIO				5	42782	-,48552	53251	47465	34005	26288	20929	16114	16451		5	18082	31682	34538	38078	38094	36931	33618	27915	23606		5	01010	29940	2020	34939	37051	41412	6.4594.1	-, 42046	37298	294 34			Ç	38167
ITH PLUMES		<b>* *</b> *	1.75	£	1 i484	14437	13157	÷.11814	08968	05033	30454	E0440	10673	1.75	5	16250.	. 02133	802:0.	8c . 0	57.10.	.02078	. 00968	04875	13389	27.1	ī	0000	03089	61860	.04228	680+0.	.03575	. 02688	01250	07755	15919	¥	:	CLH	11359
13,548(58)H		1052-U000 IN. XT .0000 IN. YT 447.0000 IN. ZT	- J/NJ	8	. 32648	. 13+01	₹3.	. 32635	.37711	32+38	. 20286	. 20184 2525	63033	RN/L .	ટ	e.10749	08307	E4L40 -	. 00206	.07888	.10473	. 13235	97505.	. 26589	RN'L	8	- 12354	11556	11457	11306	10398	06185	. 0051 <i>2</i>	. 11425	00602	.27138	ž		8	.16312
41		XORRO = 1052 YHRP = 447 ZHSP = 447	RUN NO. >868/ 0	7	50.165	100,150	150.100	199.870	299.780	463.080	599.890	600.000	000.000	0. 867/ 0	2	49.732	99.150	148.860	197.78	299.120	400.110	600.020	799.530	1000.100	0. 872/ 0	7	, 889	50.354	100.330	150.266	200.360	301.050	+01.660	£39.940	BJ0.050	1000.000	0 /488		7	801.480
	ENCE DATA	SQ.FT. INCHES INCHES	ş	>	1.627	038	<u></u>	022	- 22)	10 to 1	. 390	RSO.	1	PGN 40.	<b>&gt;</b>	198.630	198.500	199.510	200.220	201.970	200.510	199.780	199.970	201.690	PCN NO.	>	401.150	400.390	400.C30	400.370	<b>0</b> 06 0 <b>0</b> 4	400.970	400.410	400.500	400.480	359 900	PCP 360.		<b>&gt;</b>	800 · 6 · ŋ
	REFERENC	2690.0000 50. 1290.3000 1NC 1290.3000 1NC																																						
		SAEF LAEF BAEF SCALE																																						

SPEF LPEF BREF SCALE

	(RTJ244) (31 JUL 75 )	PARAMETRIC DATA	MACH = 4.510 PTOTL = 28.900 LPHA = .000 BETA = 7.000 DALPHA = -5.000 DBETA = -5.000 X
1A13 SOURCE DATA	IAI3, SRB (58) HITH PLUMES SEPARATING FROM 09TIO		2690.0000 SQ.FT. XHRP = 1052.0000 IN. XT 1290.3000 INCHES YHRP = .0000 IN. YT 1290.3000 INCHES ZHRP = 447.0000 IN. ZT .3!00
AUG 75 1A		REFERENCE DATA	2690.0000 \$0.FT. X 1290.3000 INCHES Y 1290.3000 INCHES Z

		. 13932	. 13290	481	. 16556			.11508	.12134	¥111.	.10623	.11039	.11787	.14775	.15977	. 16871			. 16952	. 16858	.15886	. 16712	16007	.14939	.15115	.16492	17238	17860			10000
							5			_								5					·			•	•	•		ర	
	SBL	.00363	01390	01607	01160		ES FE	03075	03161	03389	02511	00770	-, 309+1	-, 02189	02767	-,02537		95	04353	03912	03978	B10*0	-,03792	02669	02633	03344	03836	02925		96	4000
	CYN	03533	.00817	.03697	.04160		CYN	.05115	.03404	.03082	.01468	02156	01314	¥5650°	. 06545	.07770		CYN	.08573	.06757	.06283	.05750	.05130	.03299	.03857	.08316	.12072	.11477		C	
	5	24871	19658	15826	14033		გ	29657	3+956	-, 39526	39734	36610	34186	32324	28243	23753		Շ	34227	-, 33880	-,35062	36925	38805	40589	41292	39716	36870	30347		ວ່	
1.73	뒫	09891	00501	03777	09705	1.73	r F	-, 02898	07565	12267	-, 13152	09982	07811	01758	04718	11941	1.73	CL	.06115	.05762	.05092	64440	.03833	.02830	. 02482	00789	05420	14855	1.73	r S	
RN/L .	3	.38819	. 22362	.19746	.22502	FN/L	Ž	04763	.01257	. 11992	17659	.20655	.22802	.15560	. 19939	.25906	RN/L .	8	16143	-, 15231	-,13885	12757	11240	05507	06+00	.10216	.18834	. 26425	RN/L .	8	
0. 907/ C	2	400.410	600.000	800.010	989.970	0. 912/ 0	^	50.028	98,932	149.870	198.210	298.670	400.080	599,990	801.320	1000.300	0. 913/ 0	7	.003	49.910	93.958	149.890	198.730	298.480	400.170	600.100	801.210	1000.200	10. 889/ D	^	7
PEN NO.	>	035	559	133	168	RUN NO.	>	200.050	198.530	199,590	200.210	201.390	200.150	200.500	202.540	200.490	PGN NO.	>-	399.400	399.790	399.690	399.240	398.650	400.370	400.650	400.280	402.370	400.940	PCN NO.	>	-

n சூ

			13,578(58	HIT	PLUMES SEP.	1A13, SRB (SB) WITH PLUMES SEPARATING FROM 09TIO	¥ 09710		¥7√18.	6)	(RTJ246) (3) JUL /3 /	
REFERENCE DATA	DATA							•	PARAHETRIC DATA	DATA		
SREF v. 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	T. XMRP	1052	XYRP = 1052.0000 IN. XT YHRP = .0000 IN. YT ZHRP = 447.0000 IN. ZT	¥				MACH ALPHA DALPHA X	4.510 .000 -5.000	PTOTL BETA DBETA PCHMB	28.900 5.000 20.000	
	RUN NO.	0 /116	RUN NO. 911/ 0 RN/L = 1.76	-	.76							
	<b>&gt;</b>	2	ક		r T	ر د	CYN	CBC	CA 10541			

. 18541 . 18403 . 18687 . 17960	CA . 13756 . 14703 . 16186	. 08444 . 12009 . 14669	CA . 17222
CBL .00340 01308 01594	CBL .03145 .00195 02517	CBL 00024 01562 03263	CBL 05184
CYN 02957 .01449 .03342	CYN 08056 02357 .04977	CYN 01131 .01367 .08468	CYN . 20347
21246 17532 15518 13600	CY 21767 26155 29305	CY 33939 31424 35733	CY 42404
.05999 .04882 .00897 07055	1.76 CLM 14365 07285 01206	CLM CLM 2687 ,14853 ,08814 ,10156	1.76 CLM 07977
CN .25151 .17314 .17037	RW/L = CN .31818 .23744 .16863 .22350	RN/L = CN .33558 .23903 .16988	RN/L . CN . 12812
2 399.960 599.840 798.100	. 938/ 0 2 400.120 600.050 799.960	. 9397 0 299. 940 599. 940 793. 880	. 897/ 0 2 799.100
Y -1.492 .863 -1.050	RUN NO.  Y 200.660 200.460 200.410	RUN NO. Y +00.590 +00.430 +00.280 +00.970	RUN NO.

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(RTJ247) ( 31 JUL 75 )

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	WITE COST CONT. TO CONT. COST. COST. COST.
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IAIS SOUNCE DATA	
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<b>*</b>	

DATE OF AUG 75

## IAI3, SAB (SB) HITH PLUMES SEPARATING FROM OBTIO

REFER	REFERENCE DATA							PARAMETRIC DATA	: DATA	
SAEF = 2690.0000 LREF = 1290.3000 BAEF = 1290.3000 SCALE = .0100	SO.FT. X INCHES Y INCHES Z	X048P = 1655 YHRP = 44'	1652.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				HACH ALPHA - DALPHA - X	000.01-	PTOTL BETA DBETA PCHMB	5.000 5.000 5.000
	\$	RUN NO. 873/ 0	- 1/N9 0	1.75						
	>	7	ક	5	ઠ	CAN	<b>8</b>	క		
	EC I	200.380	. 09253	. 03525	52620	. 00018	00503	. 13278		
	ž		. 22363	. 02530	-,43909	. 02341	01329	+10.4.i.		
	₹.		.26291	00482	-, 31851	49600°	00511	. 15236		
	\$ .		19863	-,31873	-,21305	90+10.	01197	14038		
	378		. 19472	03890	16212	.03084	01503	.15224		
	- 038	_	.23980	10884	15969	.04561	01379	. 16458		
	<del>ፈ</del>	PJN NO. 874/0	BN/L .	<u>.</u> 6						
	>-	7	8	£	Շ	Š	19	ర		
	200 300	_	05338	.03775	39391	. 02188	02404	.15163		
	064.006		03666	.03999	56+1+,-	.00802	01790	.14003		
	014.661		.08372	.04757	39719	.01535	01620	****1.		
	200.140		.11213	. 02853	33529	.03832	02136	. 16926		
	199.800		. 18566	03379	28025	.07248	02773	.17231		
	199.870	_	₹:32·	12667	24314	.08339	02430	.17763		
	A.	RUN NO. 877 0	- HBN/L -	1.75						
	>	7	ક	r,	Շ	CYN	ಕ	5		
	400.510	. 980	12159	. 02739	27378	18600	01891	. 20636		
i	400.430	Š	10896	.02905	29751	92550.	02105	.20732		
	400.490	_	10107	11620.	31778	.00863	02429	. 20 <b>846</b>		
	400.930		09697	.02988	34055	.01131	02754	. 20675		
	400.930		09347	.03105	36618	.01661	02949	. 20129		
	401.180	300.990	06421	.03454	42363	.03656	03119	. 18822		
	400.260		00150	₩7620.	44212	80+50.	03206	.18028		
	399.970		4+660 .	00292	~.42330	54960.	03634	.18230		
	399.920		. 19505	05581	- 37514	41821.	03520	υ2061.		
	407.120	1000.000	.26882	15488	29734	.11647	+1620	. 18838		

AUG 75	1A13 S	IAI3 SOURCE DATA	VTA .							PAGE 328	
		2	1413, SRB (SB) WITH PLUMES SEPARATING FROM OGTIO	TH PLUMES S	EPARATING FE	10H 09T10		(RTJ24	(RTJ248) ( 31 JUL 75	JAL 75 1	
REFERENCE DATA	TA.							PARAMETRIC DATA	: DATA		
2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100	XMRP YMRP ZMRP	1050	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA BOALPHA C	000.01-	PTOTL BETA DBETA PCHMB	58.900	
	PCN NO.	0 /9/8	- HN/L -	£.7							
>		2	8	g.	Շ	CYN	æ	ð			
•		200.260	.32421	15703	61326	.04592	03072	.11490			
•		299.960	11664	20305	14554	<b>20600</b> .	01273	13991			
•		399.960	5+09+	-,16507	-, 30623	.00306	00620	14779			
•	•	599.900	.34580	12771	20879	60110.	00868	.12670			
•		799.960	.23673	07331	14814	. 02572	64210	.13286			
·	•	998.400	.24925	11407	14739	.04330	01296	.15733			

SREF .
BREF .
SCALE .

S.	RUN NO. 875/ 0	RN/L -	- 1.75		
>	2	ટ	CLM	გ	C
200.170		04089	.02321	41867	.03575
200.670		.06854	,00957	-, 43501	.04124
202.160		. 12268	.00351	-,41193	.03437
199.850		.13893	.00731	33511	44150.
202 460		. 18650	03301	26914	.06069
291.180	999.910	.26170	12053	23139	.07643
3	KUN NO. 871/ 0	- N.K.	27.		

3546 3546 12835 13054 15448 16350

CBL
-.03350
-.03427
-.02458
-.01880
-.02516

z	CL	ځ	CYN	8
10833	. 02612	27859	.03255	02712
10648	. 02792	29153	.02835	02789
10600	. 02929	30558	. 02549	02891
10487	.03027	32180	.01964	02776
12440	.04762	35661	.02480	02626
09811	.05234	4'922	.03612	02734
03190	14840.	44260	.04790	02807
.08189	77110.	41253	.08197	03338
. 18379	05398	36745	.11607	03706
.26395	14351	96AP5 -		00000

CA..19166..19166..19192..19192..19067..17500..156996..17324..17324...17872...18504...

CA . 19077 CBL -.04813 CYN .20065 CY -.41355 CLM -.10353 CN . 15872 2 801.040 7 800.810

FN/L

RUN NO. 885/ 0

REFERENCE	SPEF * 2690.0000 SQ.FT. LREF * 1290.3000 INCHES BREF * 1290.3000 INCHES SCALE * .0100
PENCE DATA	
	XHR9 YHR9 ZHR9
IAI3,SRB(SB)HITH PLUMES SEPARATING FROM 09TIO	. 1052.0000 IN. XT .0000 IN. YT . 447.0000 IN. ZT
	MACH - ALFHA - DALPHA - X
(RTJ249) PARAMETRIC DATA	.000.001
(RTJ249) ( 31 JUL 75 HETRIC DATA	PTOTL BETA DBETA PCHMB
٦ <b>5</b>	
국 5	28.900 5.000 -5.000

1.72 CLM 07700	FN/L = 1 CN .09159 .28567 .31284 .29956 .22662
CLM 07700	
-,07700	
1 - 1 -	
17122	
13950	
06641	
11141	
57.1	_
C.	
.06769	
.05429	
.04167	
.02858	
00205	
04997	
12446	

CA . 19044

CLM CY CYN CBL -.09051 -.43030 .20918 -.05170

Y Z CN 800.940 799.850 .14295

rid,

h+{:,

SCALE SCALE

02 AUG 75	1413 SC	1A13 SOURCE DATA							à	PAGE 330
		[A13.	SR8 (58) WIT	H PLUMES SEI	IAI3,SRB(SB)HITH PLUMES SEPARATING FROM 09T10	M 09110		(RTJ250)	0) (31 JA	UL 75 )
REFERENCE DATA	₹						_	PARAHETRIC DATA	DATA	
= 2690.0000 \$0.FT. = 1290.3000 INCHES = 1290.3000 INCHES	XHBP YHBP ZHBP	1052.0000 .0000 .447.0000	052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA - DALPHA - X	015.4 . 000 . 000 . 000	PTOTL = BETA = DBETA = PCHM8 =	28.900 5.000 -10.000 1500.000
-	PLN NO.	0 /2/6	RN/L	£						
>			3		Շ	CYN	<b>g</b>	ర		
•	804	600.140	.40561	14321	16428	03378	16410.	13931		
		798.690	54622	06117	16218	.00674 19970	00810	15304		
DG F : 1 -	-	6	300							
_	25. 10.	930/ 0	PN/L	₹ -						
>		2	ટ	CLN	CΥ	C	CBL.	<b>5</b>		
500		400.200	.51478	32545	35782	01840	01204	. 10478		
200.500		299.960	.38344	20592	29548	.008!8	01351	. 10200		
200.		076.667	.27422	12576	25082	.03063	01611	.12637		
200.	-	1000.300	<u>*</u>	10605	26389	.07875	02452	. 15340		
	PUN NO.	932/ 0	RN/L	Ķ.:						
>		2	3	Ş	Շ	C	<b>18</b> 5	ర		
203.		901.010	.63431	39235	37301	.10527	04347	02226		
200.860		1000.700	. 46416	28137	24091	.08929	02049	.05507		
	PEN NO.	931/ 0	PBV/L -	1.74						
<b>&gt;</b>		2	3	£	Ç	C	85	3		
399.		298.200	. 16306	16529	49742	. 10283	06447	¥1621.		
400.		400.160	.25621	18456	47250	.06843	04810	. 12073		
C++ 00+		600.020	.20128	09656	37002	.05528	86020	51291.		
.104		801.050	. 18879	06672	34179	.09513	03182	. 15097		
401.050	_	000.200	.24081	12251	32097	.12018	-, 0291 <b>2</b>	.17003		

ln / E

DATE 02 AUG 75	[A13	IAI3 SOURCE DATA							PAGE 331
		1413	. SAB (SB) WI	TH PLUMES S	IAI3, SABISBINITH PLUMES SEPARATING FROM OBTIO	ROM 09110		(RTJ251)	51) (31 JUL 75 )
REFERENCE DATA	<b>4</b>							PARAMETRIC	C DATA
SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	XH489	- 1052	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				HACH ALPHA DALPHA T	4.510 .000 -10.000	PTOTL • 28.900 BETA • 5.000 DBETA • -20.000 PCH*B • 1500.000
•	PEN 180.	0 /816 .	FAN.	57.1					
,	. 146 . 146 . 685	2 599.900 799.980	CN . 25935 . 17243 . 23428	CLM 02644 00043 08252	CY 13352 14769 14012	CYN 02056 .03426 .04237	CBL .01231 01315	.15294 .16589 .17619	
uc	RUN NO.	0 /926 .	RN/L -	1.72					
Y 200.590 200.530 200.790		2 599.980 799.950 1000.200	.39203 .30611 .23904	CLM 17215 10587 08742	CY 20193 19300 20977	CYN 06651 .00586 .06741	.03377 .0051 .0006	CA . 14525 . 14588 . 16079	
•	PUN NO.	. 937/ 0	- J/N2	57.1					
7 060 .004 069 .004	060	2 600.060 799.840 999.820	.35447 .31595 .26327	CLM 22659 15936 12381	CY 32478 27558 26897	CYN 00196 . 02338 . 08205	CBL 01447 01407 02594	CA .04791 .10762 .14478	
	75. 16.	0 /968	BN/L .	57.1					
077.007 1	9	2 400.160	. 25621	CLH 18456	CY 47250	CYN . 06843	CBL 04810	CA . 12073	
	:	1413.	SR8 (\$8) WIT	H PLUMES SE	IAI3,SRB(SB)WITH PLUNES SEPARATING FROM 09110	ROM 09110		(RTJESS)	(31.04.75)
HEPENEE DATA	<							PARAMETRIC	DATA
SPEF • 2690,0000 SQ.FT. LARF • 1290,3000 INCHES BARF • 1290,3000 INCHES SCALE •	24 × 24 × 24 × 24 × 24 × 24 × 24 × 24 ×	- 1052.0000 IN. .0000 IN. - 4:7.0000 IN.	052.0000 IN. XT.0000 IN. XT				MACH ALPHA DALPHA X	4.510 .000 -20.000	PTOTL = 28.900 BETA = 5.000 DBETA = 5.000 PCH*B = 1500.000
•	PE NO.	877/ 0	- J/NS	1.73					
7 2.053 1.055 589		2 601,140 801,370 1000,500	CN .54930 .54419 .39172	30856 32670 23823	CY 33018 28438 19060	CYN .09008 .09040	CBL -,08879 -,5031 -,01391	CA .12080 .10621 .10436	

	28.900 5.000 5.000			
	5 150			
DATA:	PTOTL BETA DBETA PCHMO			
PARAMETRIC DATA	515.3 .000. -20.000		CA .13775 .14281	CA . 17537 . 1801 .
	MACH ALPHA DALPHA X		CBL 08323 04942 02186	CBL 03253 03551 02777
			. 09662 . 09628 . 07978	CYN . 07223 . 11061
			CY -,42447 -,32575 -,26244	CY 40860 36987
		1.73	CLM 13958 11014 08243	1.73 CLM .03467 01623
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	MN/L =	CN .31788 .25897 .20784	RN/L = CN . 05829 . 13708 22714
		. 878/ 0	2 600.330 799.710 999.500	RUN NO. 879/ 0 2 210 600.250 150 801.270 320 999.390
₹	XMRP YMRP ZMRP	MEN NO.	3 C B	9 3 288
VENCE DATA	SQ.FT. INCHES INCHES	us.	7 200,440 197,170 198,280	AUN Y 400.210 402.150 400.320
REFERENCE	2690.0000 SO.FT. 1290.3000 INCHES 1290.3000 INCHES .0100			
	SREF . LREF . BREF . SCALE .			

09710
P.
SEPARATINU
PLUMES
SBIHITH
1413, SPB(

(RTJ253) (31 JUL 75 )

17.4	PTOTL = 28.900 BETA = 5.000 DBETA = .000						
PARAMETRIC DATA	76 000.05- 30 000 05- 30 000 05-		CA .05583 .06756		CA .12043 .11021 .15058		CA .15396 .15888 .16715
	MACH ALPHA -		CBL 03707 01030		CBL 11124 04324 01759		CBL 06872 05120 02832
			CYN .08965 .03874		CYN .11240 .10260		. 10190 . 11208
			CY 25800 14699		CY -,45215 -,34994 -,23843		CY *,46741 *,38346 -,30194
		1.72	CLM 37921 32904	1.72	33039 23150 !4855	57.1	CLM -,07635 -,07373 -,10751
	1052.0000 IN. YT .0000 IN. YT 447.0000 IN. ZT	FN/L	CN .62801 .51393	RN/L =	.55373 .41978 .30155	RN/L -	CN .18728 .20514 .23963
		40. 882/ D	2 801.900 1000.400	RUN NO. 880/ 0	2 500.290 800.730 1000.500	RUN NO. 881/ 0	2 600.26v 800.270 999.730
REFERENCE DATA	SQ.FT. XHRP INCHES YHRP INCHES ZHRP	RUN NO.	Y 1.743 .278	ş	7 199.830 203.080 199.690	\$	7 399.770 399.930 397.760
REFE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100						
	SREF LIREF BREF SCALE						

DATE 02 AJO 75	3 76	1413	IAI3 SOURCE DATA	DATA							PAGE 333
				1413.5	PRD (58) WIT	'H PLUMES SE	1A13,SRD(SB)WITH PLUNES SEPARATING FROM 09T10	10H 09T10		(RTJ253)	3) (31 JUL 75 )
	REFERENCE	NCE DATA								PARAMETRIC	DATA
SAEF - 20 LREF - 16 BREF - 16 SCALE -	2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	T. XMG-2 ES YMRP ES ZMRP		1052.0000 IN. .0000 IN. 447.0000 IN.	.0000 IN. XT .0000 IN. YT .0000 IN. ZT				MACH ALPHA DALPHA T	4.510 .000. -20.000	PTOTL • 28.900 BETA • 5.000 OBETA • .000 PCH#B • 1500.000
		8 8	0. 886/ 0	0	RN/L •	1.72					
	ă	۲ 800.520	2 800.030		CN . 14891	CLM 09507	CY 41732	CYN . 17154	CBL 04609	CA . 14780	
				1413,5	RB(58)W1T	H PLUMES SE	IAI3,SPB(SB)WITH PLUMES SEPARATING FROM 09110	09110 M		(R) (1254)	N) (31 JUL 75 )
	REFERENCE	CE DATA								PARAMETRIC	DATA
SAEF - 28 LREF - 16 BREF - 16 SCALE -	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	T. XMRP ES YMRP ES Z:48P		1052.0000 IN. .0000 IA. 447.0000 IN.	00 IN. XT				MACH - ALPHA - DALPHA - X	4.519 .000 -20.000	PTOTL = 28.900 BETA = 5.000 DBETA = -5.000 PCH#B = 1500.000
		PCN NO.	0. 919/ 0	•	RN/L =	<u>₹</u> .					
		→ 	2 801.380 1000.400	8 8	CN .59726 .41954	CLM -, 34394 -, 23288	CY 17388 08840	CYN .02011	CBL 00423 00019	CA . 02468 . 05539	
		RUN NO.	10. 922/ B	0	RN/L	<u>.</u> .					
		<b>&gt;</b>	2		3	ž	ò	C	<b>න්</b>	5	
	<b>ኤ</b> የ	200.010	900.300	2 9	.64138	10804	43243	71680.	-, 09025 -	11949	
	<b>⊽</b> ₹	200.590	1000.500	2 8	-9816+.	30968	-,40013	. 08253	02433	.08214	
		PCN NO.	10. 923/	0	RN/L	¥.:					
		>	7		8	£	გ	CYN	<b>8</b> 5	క	
	<b>∓</b> }	400.380	598,550	S :	.47489	31493	52518	**1*1.	12687	.13356	
	<del>,</del> m	397.700	999.920	2 2	. 26221	66866	32002	13986	03136	.13887	
		PCN NO.	10. 887/ 0	0	R:4/L -	₹ :					
	6	¥ 800.410	Z 799.970	0	CN . 15028	CLM 08131	CY 45209	CYN . 20363	CBL 0539%	CA . 18877	

PAGE 334	(RTJ255) (31 JU, 75 )
IA13 SOUNCE DATA	IAI3,SRB(SB)WITH PLUMES SEPARATING FROM 09110
DATE DE AUG 75	

PARAMETRIC DATA	ALPHA - 4.510 PT0TL - 28.900 ALPHA000 BETA - 5.000 DALPHA20.000 DBETA10.000 X000 PCH*B - 1500.000		CBL CA .04206 .07880 .02791 .09474		CBL CA 0434702226 02049 .05507		CBL CA 08372 .08760 03656 .10037		CBL CA -,07142 ,17576 .	(RTJ256) (31 JUL 75 )	PARAMETRIC DATA	MACH - 4.510 P:07L - 28.900 ALPHA000 BETA - 5.000 DALPHA20.000 DSETA20.000 X000 PCHMB - 1500.000		CBL CA .05233 .17710 .01509 .15116		CBL CA .02890 .12075 .03630 .14098
			CYN 05933 04500		. 10527		CYN . 20349 . 14164		CYN .20401	FROM 09110				41400.		CYN -, 10337 -, 05055
			CY 06924 04039		CY 37301 24091		CY 53723 36791		CY 45905	IAI3,SRB(SB)HITH PLUNES SEPARATING FROM 09710				CY 0803 <b>6</b> 10948		CY 07458 04640
	X	<u>=</u> .	CLM 31082 23748	£.	CLM 39235 26137	<del>*</del>	CLM 37554 27320	1.7	CLM 12763	TH PLUMES			1.78	СLН 18338 17055	1.78	CLM 19156 26457
	1052.0000 1N. X .0000 1N. Y 447.0000 1N. Z	RN/:	CN .56699 .44622	RN/L	.63431 .46416	RN/L	CN .57796 .43845	RN/L.	CN . 20096	8,5RB(58)WI		.0000 IN. XT .0000 IN. YT .0000 IN. ZT	RN/L .	CN . 43928 . 35079	RN/L .	CN .42604 .48082
	1052	0. 920/ 0	2 800.240 999.060	0. 932/ 0	2 801.010 1000.700	0. 933/ 0	798.110 999.620	0. 894/ 0	2 800.000	[ <b>A</b> ]		1052	. 921/ 0	2 802.310 999.080	. 935/ 0	2 800.240 999.990
REFERENCE DATA	SREF = 24890.0000 50.FT, XMRP LREF = 1290.3000 INCHES YMRP BREF = 1290.3000 INCHES ZMRP SCALE = .0100	FUN NO.	¥ 844. 057	RUN NO.	Y 203.130 200.860	RUN NO.	۲ 101 - 100 1042 - 100	RUN NO.	Y 800.120		REFERENCE DATA	SREF = 2690.0000 SQ.FT. XHRP LREF = 1290.3000 INCHES YHRP BREF = 1290.3000 INCHES ZHRP SCALE = .0100	RUN NO.	ሃ 5 ዓ.ት. 1 158	RUN NO	Y 200.500 200.050

1145

DATE 02 AUG 75	1413	IAI3 SOURCE DATA	_						PAGE 335
		141	1,5RB(SB)HI1	H PLUMES S	1A13,SRB(SB)HITH PLUNES SEPARATING FROM OBTIO	10r 08110		(RTJ256)	8) (31 JAL 75 )
REFERENCE DATA	DATA							PARAMETRIC DATA	DATA
SPEF = 2690.0000 50.FT. LREF = 1290.3000 INCHES BPGF = 1290.3000 INCHES SCALE = .0100	T. XHRP ES YHRP ES ZHRP	• • •	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				HACH ALPHA BOALPHA B	4.510 .000 -20.000	PTOTL - 28.900 BETA 5.000 DBETA20.000 PCHMB 1509.000
	BCN NO.	. 934/ 0	RN/L .	1.78					
ў M	7 403.800 398.170	2 802.440 1000.700	CN . 63699 .49237	CL# 37348 28501	CY 53505 27340	CYN . 22042 . 10294	CBL 03502 02407	CA 02305 .12553	
	RGN KO	. 895/ 0	FRV/L	1.76					
6	Y 800.420	800.000	CN .58575	CLM 42069	CY 62120	CYN . 32553	CBL 13479	CA . 14253	
		IA13	/H (85)8WS 1	O PLUMES S	IAI3 SABISB: W/O PLUMES SEPARATING FROM 09110	30M 09710		(RTJ257)	7) (3) JUL 75 )
REFERENCE DATA	DATA							PARAMETRIC DATA	DATA
SREF = 2690.0000 50.FT. LREF = 1290.3000 INCHES BREF = 1230.3000 INCHES SCALE = .0100	T. XORRP ES YHRP ES ZHRP		1052.0000 IN. XT .0000 IN. YT .47.0000 IN. ZT				MACH - ALPHA - DALPHA -	. 510 . 000 . 000	PFOTL = 28.900 BETA = 5.000 DGETA = .000 PCHEIB = .000
	PEN NO.	. 945/ 0	RN/L .	1.76					
	<b>&gt;</b>	7	3	รี	Š	24	룡	ర	
	10.74 10.74	86	06128	.03467	16790	.0396£	01761	.17677	
	10.093	50.153	06163	.03709	16879	160%0.	01718	17650	
		100.100	05666	03140	- 18743	2027O.	01770	21771.	
	28 O	200.250	04599	03160	37691 · -	04648	01929	. 17832	
	9.885	299.950	97770 -	. 02509	16415	.04827	- 017g	11841.	
	9.475	399.490	*66*0·-	.02783	15586	.04701	01621	.17728	
	10.338	599.630	05631	. 02936	14703	.04252	01651	. 17643	
	10.473	799.660	05907	03133	- 14750	.04763	- 01656	79771.	
	J. 00.0	200.468	.0000.	D	0	77577	1000	2	

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PAGE 336

(RTJ258) (31 JUL 75 )

REFE	REFERENCE DATA	¥.						u.	PARAMETRIC DATA	DATA		
SAEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BAEF = 1290.3000 INCHES SCALE = .0100	SO.FT. INCHES INCHES	GRAY ZHRP	.0000	.0000 IN. XT				MACH	\$ 510 000. 000.	PTOTL BETA DBETA PCHMB		28.900 5.000 5.000
		<b>15 16 16 16</b>	0 /***	FRV.L	£:							
	<b>&gt;</b>		2	ક	C,	ć	CYN	<b>8</b>	5			
	•	£7.	118	06371	.03289	15783	16450.	01738	. 17806			
	•	.179	49.714	06213	.03597	16017	.0397v	01771	.17862			
	٠	196	99.659	05882	7.450.	- 16682	70440	#5810.÷	17969			
	•	, 5 , 6	200 200	F0640 1	.02730	16684	.04571	+9610	18041			
	:	9.50	300.560	04610	. 02645	16337	.04827	01757	.17915			
	•	9	400.430	05101	. 02862	-,15598	.04719	01614	.17858			
	•	.076	599.980	05655	.02973	14658	.04247	01646	17771.			
	•	.226	799.900	05962	.03183	14695	. 04252	01653	.17865			
	•	37.1	044.863	05970	.03181	14678	.04247	01651	. 17846			
			IA1	IAI3,SRB(SB)HITH PLUMES SEPARATING FROM 09110	H PLUMES S	EPARATING FE	30H 09T10		(RTJ259)		(3) 34.75	ر الا
REFE	REFERENCE DATA	AT.							PARAMETRIC DATA	DATA		
58FF • 2690,0000 50,FT.	.17.08	2	1052.0	1052.0000 IN. XT				MACH	4.510	PTOTL	•	28.900
•	INCHES	AMA	•	.0000 IN. YT				ALPHA .	000.	BETA		-5.000
• •	INCHES	2842	- 447.	447.0000 IN. ZT				DALPHA -	5.000 .000	PCH#8		5.000 1500.000
		₹	RUN MC. 1041/ 0	RN/L .	1.76							
	<b>&gt;</b>		2	Š	E-T-S	Շ	CYN	8	క			
		611.	600	- 06437	01901	05255	04209	+1800 ·	. 11286			
		五	49.910	06515	.00071	12143	06560	/9/10.	16330			
	•	. 55	<b>2</b> 6.	++1.03744	. 02593	19938	08300	16120.	11040			
	•	270	150.340	.03862	.03764	- 21414	09701	55.00 ·	0			
	•	303	200.040	12422	04050	17870	08893	/ BC20 .	******			
	C)	2.803	398.550	19099	.04283	08477	07500	77 120.	5551.			
		.057	400.180	014/1.	. UB283	011/3	0050	400.00	1001.			
	•	9	200.140	. 1 3363	. 00 / 06	20000		5	)			

(31 JUL 75 )

(RTJ259)

# 1413, SRB (58) HITH PLUMES SEPARATING FROM 09710

PARAMETRIC DATA	+.510 PTOTL = 28.900 .003 BETA = -5.000 5.000 DBETA = 5.000			1380	.16024	5690	-93C	<b>6</b> 86 <b></b>	5901	7682	1084			97.98	3302	.18113	9121	3301	356 <b>6</b>	3879	
PARAH	ALPHA - 5.		_		01371 .16								CBL			00332					
			NAC	01343	00475	-,01564	02817	03447	03779	-, 02893	00745		CYN	01281	-,00469	.00337	.0:323	.02191	.02871	. 02803	
			Ç	09720	15548	16856	16001	15882	12782	-, 12862	ロナナナロ・-		Շ	03103	05282	07029	08943	10574	12600	12654	
		1.78	C.	.04277	.03025	.02181	.01492	.01734	.02915	. 02965	02158	1.76	Ş	.03838	05505	44950	.04327	.02910	.01713	00965	
	1052.0000 IN. XT .0000 I.A. YT 447.0000 IN. ZT	PN/L	3	C++01 -	06151	04315	01742	.01395	.03726	. 05649	. 13119	RN/I.	3	09696	-, 12952	12985	09886	05764	00651	.05030	
		RUN NC. 1042/ 0	7	.670	50.976	100.450	150.480	200.810	300.270	400.490	599.830	RUN NO. 1043/ 0	2	8	406.64	99.525	149.450	198.950	299.420	399.150	
REFERENCE DATA	S2EF = 2690.0000 SQ.FT. XMRP LIREF = 1290.3000 INCHES YMRP SCALE = .0100	2	<b>&gt;</b>	903.350	064.105	201.230	500.04	200.150	198.760	049.640	200.340	RCN X	<b>&gt;</b> -	400.150	400.720	400,330	401,100	400.110	400.250	405.360	

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DATE 02 AUG 75

SREF ...
LREF ...
BREF ...
SCALE ...

(RTJ260) (31 JJL 75 )	PARAMETRIC DATA	MACH = 4.510 PTOTL = 28.900 ALPHA = .000 BETA = -5.000 DALPHA = 5.000 DBCTA = .000 X = .000 PCH+B = 1500.000
A13,SRB(SB)WITH PUMES SEPARATING FROM 09710	REFERENCE DATA	2690.0000 SQ.FT, XHRP = 1052.0000 IN, YT 1290.3000 INCHES YHRP = .0000 IN, 1 1290.3000 INCHES ZHRP = 447.0000 IN, ZT .0100

	₹	. 09939	.11812	. 13648	. 15552	0.15810	. 15564	. 16285	. 15711		ర	.1640;	. 14500	. 13260	12441	.13199	.14768	. 16897	. 16968		ð	.17632	.17372	+1171.	.17093	. 17131	.17596	. 18292	. 18968
	<b>8</b> 5	54410.	. 02320	.02458	.02484	.02594	.02053	21867	.01836		<b>8</b>	01161	01417	01071	00538	00006	.00441	.00720	.00603		<b>SP.</b>	.00127	.00000	00177	00405	00552	00791	00751	00376
	CYN	-,05048	07991	-,09234	96860	08990	07154	06517	04222		Š	01536	01382	02278	02834	04062	05010	03547	00852		Ç	01164	00578	04000.	.00715	.01443	.02307	.02034	.02217
	۲	07438	16119	23034	-, 25055	20485	08974	.00083	.07418		Շ	1+660'-	11388	11602	11890	13237	10222	09526	04619		Շ	03691	05372	07043	08799	10811	13245	12783	08237
57:	מרא	07247	06026	02538	.01915	.03755	68840	.05926	.01827	5.	C.	.03670	.01258	. 00345	.00301	.00434	75710.	.02884	01457	1.75	נר	. 06669	.06077	94640.	.03908	.03068	91710.	00332	03934
FBN/L .	3	01031	<b>75700</b> .	.04605	19601.	. 16628	64602.	. 19369	.13619	RN/L	ક	08171	03993	01759	.00458	. 02921	.07778	74740.	.13892	RN/L .	Š	16078	14923	11882	08240	04861	.00288	.05713	.11584
RUN NO. 1046/ 0	2	033	50.095	101.650	149.850	199.710	299.660	401.120	599.930	RUN NO. 1045/ 0	Z	576	49.509	99.354	149.260	198,680	300.510	399.930	601.710	RUN NO. 1044/ 0	2	226	50.040	100.370	150.620	200.640	300.790	400.580	600.250
3	>	 178	.839	2.481	<b>5</b> 0.	٠. ١. ١	159	-2.123	. 167	S. S.	<b>&gt;</b> -	200.860	199.540	199.920	200.120	201.690	201.750	200.630	200.290	A. N.	>	403.310	400.230	401.080	400.763	400.700	400.730	400.550	398.430

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PA0£ 339	(RTJ261) (31 JUL 75 )		28.900													
	9 (19	C DATA	PTOTL BETA DBETA PCHMB													
	(RTJ2	PARAMETRIC DATA	016. 2 000. 0		CA 17307	16469		ర	. 14537	. 12165	.11576	.11533	. 12250	.14693	.:5735	.17073
			MACH ALPHA DALPHA X		COL	.01581		CBL	-· 00656	16400	00*57	q; . ):	. მაო 36	.00838	.00830	.00729
	FROM 09T10				CYN	04024		CYN	02598	02617	03157	04085	-,05603	06301	04293	02043
	IAI3,SRB(SB)WITH PLUMES SEPARATING FROM 09T10				CY	.0822		Շ	06263	07312	-, 08565	08760	08474	09203	05718	03928
	ITH PLUMES			1.78	CLM	19247	1.78	£,	14138	20350	12012	15505	16773	23327	22251	17671
_ ≤	13,598(58)W		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	BN/L .	CN	. 59356	RN/L .	3	. 20201	30998	. 16241	.28617	.35803	.57531	54046	.45178
IAI3 SOURCE DATA	1		• • •	RUN NO. 1091/ 0	2	596.730	RUN NO. 1094/ 0	7	-1.006	50.901	97.537	148.320	196.710	300.280	399.030	599.610
1413		DATA	T. X989 ES YNR9 ES ZNR9	<b>2</b>	; ≻		S.	<b>&gt;</b> -	200 . 130	99.360	99.690	200.100	200.570	200.840	200.840	200.600
AUG 75		REFERENCE	2690.0000 SO.FT. 1280.3000 INCHES 1290.3000 INCHES .0100						ž	~	51	ĸ	ŭ	7	7	7
DATE 02 AUG 75			SREF - LREF - BFEF - SCALE -													

CA .17936 .16520 .16575 .16578 .17593 .17593

CBL -.00089 -.00479 -.00638 -.00525 -.00563 -.00563

CYN
-.01562
-.00796
-.00879
.00359
.00717
.00606

- 03242 - 03242 - 06400 - 08922 - 10564 - 12201 - 13303 - 15214

CLH
-.19989
-.08886
-.07223
-.21562
-.22031
-.09432

CN . 34779 . 13283 . 12025 . 15559 . 43928 . 47292 . 47292 . 24122 . 24122 . 2251

7 400.170 400.520 400.520 400.550 400.600 399.510 398.070

1.78

RUN NO. 1095/ 0

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(RTJ262) (31 JUL 75 )

	28.900 -5.000 -10.000																			(31.04.78.)
																				۲ =
DATA	PTOTL BETA DBETA PCHMB																			
PARAMETRIC DATA	3. 000 000. 000 0000.		CA .17782 .17547		đ	12244	6.74	. 15457	. 16875		5	81.48	7769	45.651	65641	8701	15344	. 16587	.17827	(RT.J263)
	HACH ALPHA BOALPHA C		CBL .01620 .01830		ĕ	.01207	86110.	11600	.00550		<b>8</b> 5	02200	00111	00932	₩9600	00780	00272	00179	77100.	
			CYN 05892 04466		C	08131	07813	04300	B#+50		Ç	02631	01969	01044	00080	₩9000.	00302	.00075	.01038	70H 09710
			CY 00223 .06501		۲	06359	08181	08369	02997		ر (	00518	05089	09167	11691	12735	14819	12824	06300	IAI3,SRB(58)WITH PLUMES SEPARATING FROM 09710
		1.78	CLM 20198 36916	1.78	CLA	11540	23230	11611	04138	1.78	CLM	09335	08227	05839	02828	64140'-	01770	15122	21891	R PLUMES S
	1052.0000 IN. XT.0000 IN. XT	RN/L -	CN . 75555 . 97033	RN/L .	3	. 24223	. 57965	.37004	. 19988	RN/L -	3	.04860	.02393	.00312	01377	.05520	.04189	.35429	.48790	.SRB(SB)HIT
	1058	RUN NO. 1092/ 0	2 398.430 599.970	RUN NO. 1115/ 0	2	201.230	300.830	399.430	299.890	RUN MO. 11147 p	2	. 187	49.640	1+0.66	148.520	199.490	296.480	401.500	601.030	IAI3
CE DATA	CHES ZHRP	RUN NO	Y 3.036 1.375	PUN NO	>	200.490	200.240	200.450	201.020	25 Si	>-	399.140	399.450	400.410	400.170	399.410	401.190	400.180	401.200	
REFERENCE DA	2690,0000 \$3,FT, 1290,3000 INCHES																	-	-	
	• • • •																			
	BREF BREF SCALE																			

	28.900 -5.000 -20.000 1500.000
C DATA	PTOTL BETA DBETA PCHHB
PARAMETRIC DATA	000 m
	MACH ALPHA DALPHA X

ਲੁ	.01560 .0189
CAN	05729
<b>د</b>	.10791
CLM	30257
C.	10658
797	600.120
<b>5</b>	.365
7 CN 707 100 BK117	600.120 .83901

RUN NO. 1093/ 0 RN/L = 1.72

SREF = 2690.0000 SQ.FT. XHRP = 1052.0000 IN. XT LREF = 1290.3000 INCHES YHRP = .0000 IN. YT BREF = 1290.3000 INCHES ZHRP = 447.0000 IN. ZT SCALE = .0100

REFERENCE DATA

CA . 19907 . 18313

DATE 02 AUG 75

SPEF . LPEF . BPEF . SCALE .

PARAMETRIC DATA	МАСН = 4.510 РТОТL = 26.900 ALPHA = .000 BETA = -5.000 DALPHA = .000 DBETA = 5.000 X = .000 PCH4B = 1500.000		Ü	•	•	٠	•	.02533 .15444		·	·	·	
	ĭ ₹ å ×		Ī										
			Š	٠.	₹.	07	60	09+88	07	06	\$	₹ 0.	÷0
			Շ	06898	13309	20042	- 22595	20219	-,11052	03430	.04216	.09295	. 12329
		1.76	G.	01388	00836	.00 <b>224</b>	69610	.02372	.02351	.05725	.01339	05416	12195
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L -	z	08839	07497	03564	. 02567	. 12168	16412.	. 19329	. 17426	.21029	. 24735
	1052.0	RUN NO. 1047/ 0	2	067	50.039	98.074	147.380	200.510	300.110	400.140	599.940	799.840	999.890
DATA	S YHER	PCN NO	<b>&gt;</b>	170	.370	1.601	.228	. 245.	065	275	.358	-192	107
REFERENCE	2690.0000 SO.FT. 1290.3000 INCHES 1290.3000 INCHES ,0100												
	SPEF - 24 LREF - 11 BPREF - 15 SCALE -												

(31 JAL 75

(RTJ264)

IAI3, SRB (SB) MITH PLUMES SEPARATING FROM 09710

SREF - CLREF - BREF - SCALE -

(RTJ264) (31 JUL 75 )

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REFERENCE DATA	E DATA								-	PARAMETRIC DATA	DATA		
2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES		XMBP YMBP ZMBP	- "	.000 .000 **7.000	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA - DALPHA -	000. 000.	PTOTL BETA DBETA PCHMB	 28.900 -5.000 5.000 1500.000	
	ş	FUN NO. 1048/ 0	1048		RN/L -	1.78							
	<b>&gt;</b>		2		3	ş	ຽ	C S	뚕	క			
•	200.450		013	·	. 12289	.04381	07274	02485	00239	.17852			
	202.090		50.980	•	. 08291	. 03145	14110	01215	+1010	.15870			
••	201.120		00.840		-, 04504	.01962	14813	01729	01180	.15084			
•••	200.180		150.650	•	01441	.0118 <del>4</del>	14966	02372	00810	<del>*</del>			
	201.080		200.760		.01293	16510.	15776	03179	00325	.14087			
-	199.620		301.130	₽	.04315	.03102	13658	04495	.00513	. 15625			
-	198.930	-	400.580	8	.06397	.03385	11614	03862	.00463	. 16435			
TU.	200.900	•	599.890	2	10931	00640	05010	01727	.00528	.16977			
-	198.510	1-	199.520	2	. 20869	08477	. 00585	00830	66400.	. 18337			
	199.390	•	998.500	0	-23609	13596	.05135	00786	.00207	57671.			
	\$	RUN NO. 1049/ 0	1049/		RN/L	1.76							
	>-	-	2	Ū	ક	P.	Շ	CYN	65	3			
•	400.380		80	•	14457	.05805	02061	02321	.00160	.20107			
•	400.070	•	49.804	·	+0++1	14950.	04239	01557	00034	.19746			
,	400.580	-	99.495	•	13126	.05217	05550	00628	00332	₩6261.			
•	400.00	=	149.290	•	10165	.04429	09073	.00403	00560	.18678			
•	400.170	-	198.750	·	06681	.03708	10915	.01243	00811	. 18223			
,	400.220	λi	299.570	•	00059	.01887	13630	. 02248	00766	.18115			
*	401.890	M	399,180		.02762	.007≥	13779	.02987	00530	.18196			
*	402.020	Ō	600.220		.11622	03632	08060	.02476	00115	18949			
*	+01.560	Ď	801.080	. 0	2049¥	10632	02585	. 02534	00288	.18739			
m	399.470	ði	999.030	9	17769	11757	.04216	.00805	00286	. 17729			
	2	RUN NO. 1071/ 0	1071/		RN/L -	1.78							
	>-		2	Ü	ž	5	<b>≿</b>	Z.	ā	đ			
80	800.000	ĕ	800.350		15451.	08531	- 44195	.20138	05019	561.			

		1413,	SRB(SB)HITI	H PLUMES SE	IAI3,SRB(SB)HITH PLUMES SEPARATING FROM 09710	OM 09110		(RTJ265)		(31 JUL 75	. 27
REFERENCE DATA	₹.							PARAMETRIC DATA	DATA		
SPEF = 2690.0000 SQ.FT. LPEF = 1290.300"1 INCHES BPEF = 1290.3000 INCHES SCALE = .0130	XHRP YHRP ZHRP	1052.0000 .0000 1447.0000	052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALTHA BALPHA T	0000.	PT0TL BETA 08ETA PCHMB		28.900 -5.000 .000 t500.000
_	RUN NO. 1052/ 0	1052/ 0	RN/L	1.78							
<b>&gt;</b>		7	8	נר <b>א</b>	Շ	CAN	SB	5			
		.033	<b>6</b> 0810	08913	07867	03022	.00353	. 08572			
•		50.034	.02050	09861	16579	05156	01980 11890	56801.			
•	(c) 15	150.050	15718	05631	-,25516	09794	. 02566	1,4228			
		199.550	.21635	-,03254	21774	09963	.02580	.15256			
•		299.500	.28635	02592	19660	07999	.02215	.14450			
•		399.860	.22551	.03268	02157	06519	.0:624	.15242			
•		599.810	.14765	.01456	.06479	04303	76710.	. 14663			
		798.590	. 19529	04893	98790.	04269	101593	16509			
•	6891.	999.820	. د کول <i>ه</i> و	I 2505	17/11:	00000					
	RUN NO. 10517 0	1051/ 0	RN/L	1.76							
<b>&gt;</b>		2	S	CL	Շ	CYN	<b>8</b>	ర			
016.961	910	951	12304	.0+0B	08802	01678	-,03720	. 16292			
068 661		49.402	06465	.01701	11510	-,00743	01339	14087			
199.450		99.576	02299	00345	11203	01332	71.0.1	16031			
200.100		149.290	.00687	00913	12127	02470	00557	C1221.			
201.950	•	199.570	.02589	00317	13647	03568	0.000.1	EE 201.			
200.760		300.420	.06784	.01892	09951 - 10538	- 04/23	95800	41551.			
מני יחס		500.590	95051	.00705	76040	16410	. 30598	. 16226			
0+4.102		801.520	.21132	08016	. 02011	00915	91900.	17719			
200.520	-	1000.700	.2¥595	14163	.06527	01413	.00350	. 18031			
	RUN NO. 1050/ 0	1050/ 0	RN/L -	1.76							
<b>&gt;</b>		7	S	r C	Շ	Š	SP	ర			
006 : 10%	006	901	15622	12650.	01768	02106	.00287	19126			
080.004	080	50.030	-,15082	.05661	03977	01310	£6000°	. 18676			
067.00*		004.001	13378	.05237	06979	00317	00227	17750			
401.210		150.470	11266	.04830	09384	00000	00+20	17410			
400.320		200.550	08518	. 04266	11565	.00528	00665	13161.			
097.007		301.390	01920	. 02875	14067	.01422	00853	5 4691 .			
000.00#		400,670	.03210	56600.	13738	9710.	5.00645 47.00	COB/ 1.			
398.360	•	200.000	61105	72020 -	70050	05/10·	33M00 1	18598			
399.180	•	998.580	.18820	12028	02870	00082	00231	17831			

44.6

PAGE 344	(31 JAL 75 )		TL - 28.900 N5.000 FA000			(31 JM 75 )	_	7L • 28.900 • -5.000 FA • -5.000 • 1500.000																
	(RTJ265)	PARAMETRIC DATA	4.510 PTOTL .000 BETA .000 DBETA		CA .17773	(RTJ266)	PARAMETRIC DATA	4.510 PTOTL .000 BETA .000 DBETA		<b>*</b> 0	. 15625	. 17329	.18407		3	. 14268	. 12065	CBSO!	. 10536	60611.	13998	.15790	98691	
			MACH ALPHA - DALPHA -		<b>ce.</b> 00088			HACH ALPHA BOALPHA C		<b>16</b> 5	.01637	.01662	.01592		ෂ	01676	40600°-	00150	.00356	.00650	.00888	.00867	.00651	
	FROM 09110				CYN . 00604	-ROM 09110				Z.	06531	03718	05008		Ç	₩2200.	01252	02538	03059	05982	04543	02383	00795	
	1A13,SAB(SB)MITH PLUMES SEPARATING FROM 09110				0.538 V	IAI3,SRB(SB)HITH PLUMES SEPARATING FROM 09TIO				Շ	01215	. 11883	. 14538		Շ	10069	07064	5/6/0	50160	08118	07007	04839	056:0.	
	ITH PLUMES		<b>.</b>	1.76	CLM 15657	TH PLUMES		<b>.</b>	1.78	E.	04640	08187	₹.24109	1.78	£,	07799	25075	50541	12054	- 14430	18978	21179	17645	
4	13,588(58)14		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L	CN . 25759	13,5RB(SB)H		1052.0686 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L .	8	41608	34218	1+35+1	RN/L -	ટ	03249	.35923	5/4/1.	56935	34929	.46396	.54588	60424.	
IAI3 SOURCE DATA	<u> </u>		XMRP = 1052 YMRP = ZMRP = 447	RUN NO. 1078/ 0	Z 801.360	<u> </u>		XMRP = 1052 YMRP = 447	RUN NO. 1098/ 0	2	399.040	801.470	1000.100	RUN NO. 1096/ 0	2	-3.037	51.071	260.65 6.00	197,580	299.560	399.020	599.000	801.110	
		REFERENCE DATA	2690.0000 SQ.FT. XH 1290.3000 INCHES YH 1290.3000 INCHES ZH .0100	RUN	¥ 800.110		REFERENCE DATA	2690.0000 SQ.FT. XM 1290.3000 INCHES YM 1290.3000 INCHES ZM .0100	28	>	1731	866. 866.	318	P. P. P. P. P. P. P. P. P. P. P. P. P. P	<b>&gt;-</b>	200.500	200.250	199.560	007.005	202.580	200.520	200.910	202.420	400
DATE G2 AUG 75			SPEF . LREF . BREF .					SREF LREF BREF SCALE																

(RTJ266) (31 JL 75 ) PAGE 345

28.900 -5.000 -5.000 1500.000

(RTJ266)	PARMETRIC DATA
1A13,5RB(58)HITH PLUKES SEPARATING FROM 09710	
	NEFERENCE DATA

PT01L 8ETA 08ETA PCHT8														
000 · 000		ర	B7471.	16900	. 16301	.15987	.15528	. 15559	. 16903	ええこ	16081	. 18278		CA . 18169
ALPHA -		<b>8</b> 5	00526	00532	00690	91+00	00204	-,00090	00329	00208	00332	00117		CBL 00007
		CAN	000%2	.00135	.00593	.00383	.00028	.00028	.00135	.00185	.01495	.00234		CYN . 02298
		5	04883	07588	10051	11109	11725	12388	11356	07936	03120	.04122		ج ج <mark>ج</mark>
	1.78	ş	04683	00535	.00370	16986	22394	10595	29185	01514	20294	31459	1.78	CLM 14214
00 IN. XT 10 IN. YT 10 IN. ZT	PN/L	8	82 중 · 중	.03113	.03521	.32069	.44031	. 24 I 30	.62998	.07229	¥2099	.59095	PB/L •	Ç¥ .≥3!38
.052.0050 .0000 .447.0000	RUN NO. 1097/ 0	~		49.576	•		201.310						NO. 1079/ 0	2 797.590
SO.FT. XORF INCHES YHRP INCHES ZHRP	RLN NO.	<b>&gt;</b>	400.460	400.920	400.500							_	PEN NO.	¥ 801.5%0
2690.0000 SQ 1290.3000 IM 1290.3000 IM														
SCAE - S														

# IA13,578 (58) HITH PLUMES SEPARATING FROM 09710

PARAMETRIC DATA

(RTJ267) (31 JAL 75

28.900 00.001 - 15.000 PTOTL BETA OBETA PCHMB 000. 000. 000. HACH ALPHA - DALPHA -- 1052.0000 IN. XT - 0000 IN. YT - 447.0000 IN. ZT X 14.80 REFERENCE DATA SPEF = 2Y80.0000 SQ.FT. LREF \* 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100

# PN/L . 1.76 RUN NO. 1101/ 0

<b>ડ</b>	.17122	16364	. 17393	. 18647	
를	.01642	06+10.	97610	.0162	
ξ	06538	これる・	237	*G***O'-	
Շ	.00210	.06393	+0960 ·	. 12020	
5	14423	06493	15744	18251	
3	. 63395	. 39045	<b>68084</b>	.40861	
7	40 <b>2</b> .050	196,880	800.300	1000 . 300	
			<u>.</u> 8		

(RTJ267) ( 3) JAL 75 )

	AEFE	REFERENCE DATA							PARAMETRIC DATA	DATA			
SAE SAE SCALE	2890.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES		2748 • 1052.0 7148 • .0 2148 • 447.0	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. 27				ALPHA - DALPHA - X	000.	PTOTL BETA DBETA PCHEB	1111	28.900 -5.000 -10.000	
		2	RUN NO. 1116/ 0	RN/L .	1.76								
		>	2	£	5	Շ	CAR	룡	5				
		199.930	200.830	.30671	20783	039+5	09069	. 02527	. 10299				
		200.770	303.470	.63002	30464	04084	09299	.01768	1.1947				
		200.420	401.070	.42182	16101	06694	05398	60600.	13744				
		200.870	599.970	. 25950	07823	04106	02895	.00544	. 15669				
		202.010	801.720	.32090	12795	.00186	01619	.00574	.17363				
		200.950	1001.500	.26973	13938	.03049	00271	00041	. 18252				
		2	RUN NO. 1117/ 0	- PN/L	1.76								
		<b>&gt;</b>	2	3	C.	Շ	C	욠	5				
		399.770	667	09802	90600.	09277	.03333	02320	.15879				
		400.320	49.596	.01788	07588	11037	. 92170	01746	.15907				
		399.880	99.151	. 02342	07103	10480	₩5200.	00664	.14667				
		400.140	149.160	C26+1.	14210	11528	00231	00265	.13035				
		400.160	197.540	.20166	15730	12581	00687	00282	. 12935				
		401.670	299.650	. 36552	21148	12675	00913	00035	.13519				
		402.620	400.250	BT175.	13606	09570	00907	.00216	. 14:86				
		402.210	597.610	13430	04585	0688⁴	.00807	.00160	. 16032				
		401.720	901.870	. 46835	22774	03321	. 02025	00199	.17504				
		400.170	1002.500	.37078	20773	.02433	.00985	00125	.17920				
		ş	RUN NO. 1086/ 0	PBV.L •	1.78								
		۲ 801.270	2 798.690	CN .40031	CLH 23107	CY . 64373	CYN . 02131	CBL 00169	CA . 17997				

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(RTJ269) ( 31 JUL 75 )

09710
7.0gr
EP/RACING
PLUMES SE
(SB) W(TH F
1413,5RB(
_

ATA  XHRP = 1052.000  YHRP = 447.000  ZHRP = 447.000  200	PARAMETRIC DATA	MACH - 4.510 PTOTL - 28.900 ALPHA000 BETA5.000 DALPHA5.000 OBETA - 5.000 X .000 PCHHB - 1500.000		73 - R5	332 .00621	-,03816 ,00741 .13002	.01269	.01738	.01756	.01587	.01392	.01867			AC NYO	8	+9600	0245100581 .13927	0368400012 .13866	04576 .00511 .14810	<b>5</b> 6+00.	02479 .00696	₹,01280 ,00502	00817 .03246 .17948		CYN CBL CA	03325 .00359 .21212	00363	00670	00732	.0129900491	.0130600277 .18242	00067	00312	.0090200172 .18064		
XMRP = 1052.0000 iN. XT YMRP = 00000 iN. XT ZMR NO. 10537 0 RN/L = 1. 397 50.093 -111940 397 50.093 -111940 397 50.093 -111940 397 50.093 -111359 290 300.270 223872 490 400.290 124587 1110 201.090 24550 134 500.020 19805 134 500.020 19805 135 500.020 19805 136 500.020 19805 137 600.020 19805 140.000 10537 0 RN/L = 1. 110 150.510 -00352 1110 201.090 -00352					ž											<b>6</b>						•						Ī						•			
ATA XPHRP = 1 YPHRP = 1 ZPHRP	<u>z z z</u>									-																									HN/L - 1.76		
	REFERENCE DATA	. XMRP	AUN NO. 1053/ 0										_	RUN NO. 1054/ 0	, ,									198.610 998.770	RUN NO. 1057/ 0	2 +	399.720 .030	01			000		071	960		RUN NO. 1072/ 0	

**/**۱:

( 31 JUL 75 )	ITA	PF0TL = 28.900  BETA = -5.000  DBETA = .000  PCH*B 1500.000																																					
(RTJ270)	PARAMETRIC DATA	2.000. 2.		<b>ა</b>	.08933	11304	. 13647	. 15078	00001	13.45	14827	.17336		CA	.14338	. 12222	.12165	.12375	.13397	. 14633	. 15272	. 16570	.17621		40	. 20514	69661	. 19288	. 18857	. 17879	. 16945	17431	96461.	. 18456	. 1792			. 18190	
		MACH ALPHA - DALPHA - X		펋	00150	.00693	. 02285	.02718	19830.	1111	01570	.01358		SB.	02805	02675	01803	01223	.000≥8	50010.	.00873	12400.	.00375		<b>18</b> 5	.00522	. 00155	00233	00614	+1600	00818	<b>-</b> . 0029 <b>2</b>	.00106	.00071	00087		ğ	00282	
ROM 09110				Z.	00574	05122	08864	~.09606	09180	06/90	01010	6/240		Ç	11150.	91330.	.01231	00299	03583	80440	02137	-, 01822	00980		C	03735	02576	00980	00134	. 20567	4i€10.	.00337	.00843	94710.	.00564		2	. G2362	
1A13,SRB(SB)WITH PLUMES SEPARATING FROM 09TIO				Շ	19668	26508	27928	24390	BC160	- 00100.	42000	.11034		5	15709	- 15297	16301	18180	13239	12144	04278	17710.	16940.		ò	.01687	01751	06377	10575	13704	15854	14578	08113	02358	.0353		?	.03631	
TH PLUMES S			1.70	동	06394	-,12652	12789	11565	71080	0.05318	000.00	0686	90.1	٦ ۲	67070	.02061	00311	01162	0000	. 02107	00458	06264	13419	1.76	C.	. 02962	02267	.04521	03765	. 02455	05605	0052€	.02680	- 18588	10070	1.78	1	10386	
3,598(58)		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	RN/L .	S	05392	.07463	. 19868	.29633	35663	35,30	7876	.24320	RN/L -	ક	11650	06707	02117	.02580	. 09359	.08018	. 12287	. 19254	.25123	RN/L	ટ	10821	00558	12595	.05162	05383	14959	. 05196	18510.	. 38970	. 15806	RN/L .	3	¥18+1 ·	
141		• • •	RUN NO. 1056/ 0	7	50.122	100,010	150.040	199.900	200.000	399.800	798 910	998.590	RUN NO. 1055/ 0	2	49.046	99.448	149.130	198.750	299.570	400.190	600.270	801.270	1000.300	RUN NO. 1060/ 0	2	-1.278	21 007	99.259	151.940	199.590	302.700	399.650	600.110	802.250	996.770	RUN NO. 1077/ 0	,	798.150	
	REFERENCE DATA	2690,0000 50.FT, XHRP 1290,3000 INCHES YHRP 1290,3000 INCHES ZHRP	N. Y.	>	906	926.	. 268	808.	585.	710.	000 1+	100 F	RON N	<b>&gt;</b>	200.050	198.850	199.170	201.520	200.830	200.220	201.830	201.+10	201.520	RCN	>-	070.007	401.340	401.120	401.300	401.200	400.350	140 TOO	397.710	337.960	398.970	R.V.	>	091 : 008	
		SREF LREF BREF SCALE																																					

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₹
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(RTJ271)

REFERENCE DATA	₹.							PARAMETRIC DATA	: DATA		
SAEF = 2690.00u0 SQ.FT. LAEF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	- dbH2		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				HACH	016.3 000.00.000.000.000.000.000.0000.0000	PTOTL BETA DBETA PCHMB	28.900 -5.000 -5.000	000
Œ	RUN NO. 1099/ 0	0 /860	RN/L .	1.71							
>	2		8	r,	Շ	CYN	<b>16</b>	3			
633		399.320	. 50207	14827	.01857	+0060.−	.02501	14897			
<b>.</b>		601.290	.54757	20732	S5770.	04531	.01442	.13933			
169°-	-	797.520 1001.800	.33583	11609 23764	. 10850	03793	.01328	.15908			
æ	RUN MC. 1104/ 0	0 / 10	RN/L -	77.1							
<b>&gt;</b>	2		ક	£	ر	300	#S	ర			
199.350		50.804	.22666	15772	14163	.05615	03128	10436			
198.930		99.797	. 12450	-,11057	15673	.05069	-, 02825	.09923			
018.961		148.580	. 18253	15278	15284	.01926	01879	.10183			
200.350		201.100	.33685	22635	13982	01616	00251	.10903			
202.600		301.430	. 52546	27798	11534	34608	34c00.	11708			
200.790		+00.130	14074	20760	08120	05014	.01267	. 12452			
200.540	•	599.390	.34606	13787	04466	02124	.00810	.13162			
201.680	•	799.450	67117.	17383	. 02857	01082	44700.	.15399			
018.661	-	997.880	91471.	09361	.07859	01851	.00382	. 16430			
€	RUN NO. 1105/ 0	0 /50	RN/L .	1.77							
<b>&gt;</b>	7		3	ī	5	2	ā	į			
399.176	ı	.330	.02500	03101	- 1016	.05100	-,0294	18711			
399.880			02122	00542	13320	0.06840	03133	. 18050			
399.100			.20568	11860	13905	.05519	02304	.17060			
399.650			00098	01397	13504	. 03541	01427	.15831			
398.63		197.820	.32086	17269	14165	. 02295	00956	.15759			
[6:00±		500.680	.51160	25202	14928	.00923	00621	. 15625			
30.1.10		400.659	34219	15191	12979	.00271	00532	.15025			
00		390.130	₹.	14460	92060∵-	00358	00061	.16004			
000.004		804.710	. 3 /882 3000	17522	02745	.01333	₩2000.	. 16575			
		056	06002.	11799	.05160	00167	00023	. 16600			
₽	RUN NO. 10807 0		RN/L -	77.1							
<b>&gt;</b>	2		ž	2	5	2	ā	į			
799.860	u		A2016	30866	1	Z :	4	5			
				00000	70000	.01472	00252				

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PAGE

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DATE 02 AUG 75	1413	IAI3 SOURCE DATA							PAGE 351
		IAI3	SP8(58)WI	IAIS, SRB (58) WITH PLUMES SEPARATING FROM OSTIO	EPARATING F	ROM 09710		(RTJ272)	(2) (3) W 75 )
REFERENCE DATA	CE DATA							PARAMETRIC DATA	: DATA
SPEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BPREF = 1290.300G INCHES SCALE = .0100	SO.FT. XOFFP INCHES YHEP INCHES ZHEP	1052	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA DALPHA X	±. ±. 000	PTOTL = 28.900 BETA = -5.000 DBETA = -10.000 PCH4B = 1500.000
	2	RUN NO. 1100/ 0	RN/L .	1.78					
	>	2	3	÷75	Շ	C	ਲ	5	
	166	400.050	3157.	19001	.05571	10649	.02922	.16157	
	1.533	602.280	+0694	12936	.08145	03900	.01258	.14780	
	.622	739.660	.55324	09945	.10793	03533	.01700	, 16355	
	.589	999.080	.20177	06990	91041.	04462	.01756	.17354	
	S. N.	RUN NO. 11197 0	RN/L	1.78					
	>	,	3	5	5	Z.	평	5	
	024,005	299.220	.30899	20704	02946	-, 10062	.03277	16211.	
	202.420	400.450	.48585	26935	04105	07438	57.420.	. 12925	
	270.460	599,820	.29261	14142	02542	1.04871	21010.	. 13085	
	202,100	799.080	<b>50060</b> .	00512	00312	01715	.00606	.14813	
	201.160	1001.700	.33365	15321	.04105	01061	. 00438	. 16866	
	S. N	RUN NO. 1118/ 0	FBV/L	1.78					
	>	7	ક	5	ઠ	CYN	룡	క	
	399.670	40.004	.01629	05114	17775	. 08382	03530	. 15558	
	399.710	100.530	.08511	10286	19519	ትት <b>28</b> 0 ·	03837	. 14393	
	399.280	147.600	. 05969	10011	19439	06490.	03239	.13072	
	400.330	200.810	.36877	25868	18502	¥E140.	02239	. 13270	
	401.220	298.310	.13104	10446	12549	00908	.00026	. 12783	
	402.080	399.280	.31648	19439	08773	01662	.00785	. 12988	
	402.140	600.220	.24897	12640	06387	00284	. 00238	. 13266	
	402.050	801.500	. 19723	09285	03600	.00655	00048	. 15748	
	401.240	1000.0001	.07897	04708	.00336	.01212	00355	. 16351	
	PEN NO	0 /580. າ	RN/L -	1.78					
	<b>&gt;</b> -	2	ટ	£	Շ	C	ਲ	ర	
	800.680	799.070	14004.	22935	01380	.03447	.00169	.17736	

ORIGINAL PAGE IS OF POOR QUALITY

(RTJ273) ( 31 JJL 75 ) 1A13, SPB (S3) WITH PLUMES SEPARATING FROM 09710

28.900 -5.000 -20.000 1500.000 DBETA PCHMB PTOTL BETA PARAMETRIC DATA 4.310 .000 .000 .000 CA .20283 .19352 .17943 CA . 15332 . 16293 . 17266 . 18142 CA .06874 .11255 .15430 .15369 MACH ALPHA B CBL .02805 .02008 .00241 CBL .02384 .01605 .01568 CBL .05847 .00817 .00802 .00339 CYN -.07238 -.05054 -.03951 -.04363 CYN -.15818 -.04179 -.01953 -.01338 CYN -.07375 -.05377 .00166 .05358 .10650 .11215 .07506 -.01135 .02955 CY -.04379 .00250 -.01407 CLM -.03850 -.01798 .05242 -.11948 CLM -.10417 -.02175 .00427 -.12222 CLM -.25502 -.19066 -.12563 -.06521 1.77 1.77 • 1052.0000 IN. XT • .0000 IN. YT • 447.0000 IN. ZT .47852 .30835 .06018 .28700 RN/L -CN .25900 .20074 .09988 .25508 .32347 .26994 .10602 RN/L . 2 401.880 600.950 798.940 1000.300 RUN NO. 1103/ 0 RUN NO. 1128/ 0 **2** 398.620 600.000 798.510 RUN NO. 1129/ 0 2 399,730 600.570 870.290 997.450 200.310 199.770 199.720 201.320 399.680 400.970 401.160 397.880 -2.456 -1.847 -476 -751 REFERENCE DAYA SREF ~ 2890,0000 \$0.FT, LREF \* 1290,3000 INCHES BREF = 1290,3000 INCHES SCALE = .0100

ì

CA . 18540

CBL -.00029

CYN . 02944

CY . 0202**2** 

CLM -.23316

CN .41278

2 802.480

799.450

1.77

RN/L

RUN NO. 1088/ 0

的人

DATE 02 AUG 75	2	IAI3 SOURCE DATA	ITA							PAGE	353
		2	1A13,SR8(SB)WITH PLUMES SEPARATING FROM 09110	ITH PLUMES S	EPARATING FI	ROM 09110		(RTJ274)		( 3) JAL 75	. 27
REFERENCE	NCE DATA							PARAMETRIC DATA	DATA		
SREF = 2690.0000 50.FT. LREF = 1290.3000 INC-ES BREF = 1290.3000 INC-ES SCALE = .0100	T. ES	XHRP = 1055 YHRP = 444	1052,0000 IN, XT .0000 IN, YT 447,0000 IN, ZT				MACH ALPHA DALPHA X	4.510 .000 .000 .000	PTOTL BETA 08ETA PCH#8	5	28.900 -5.000 5.000 1500.000
	\$	RUN NO. 1061/ 0	- PAN/L -	1.77							
	<b>&gt;</b>	2	Š	r.	Շ	CAN	465	<b>ა</b>			
	.649		.37665	12578	32577	03178	00072	. 15767			
	.346		96814.	09246	21228	02753	.00171	. 16172			
	+10		.42335	10128	08947	03305	. 00757	16046			
	2.022		33048	0.09540	. 06.51.1	71750	6/110.	13656			
	.018	1000.900	. 39316	117584	. 13742	04953	¥0810.	. 15812			
	Ş	RUN NO. 1062/ 0	BN/L =	1.11							
	>	^	Z	ž	5	N.	85	5			
	200.610	n.	86042	11123	- 16838	02134	00452	14388			
	199.550		.03193	91940	17138	02755	00153	66141.			
	197.860		.03567	.05750	11657	03098	.00487	.14812			
	197.700		.14592	01023	05639	02670	.00956	. 15800			
	198.100	799.370	77971.	05099	.00563	01827	. 00741	.16086			
	198.380	1000.200	.38713	-, 19062	.04830	01190	06200.	.17060			
	\$	RUN NO. 1058/ 0	RN/L .	1.71							
	>	2	ક	r U	Շ	CYN	<b>16</b> 5	<b>5</b>			
	400.940	714	16343	.05790	.01120	04226	16400.	15615.			
	400.440		15884	.05553	02584	03174	.00159	.21451			
	401.050		14260	. 05212	06174	02277	00252	. 20913			
	400.530		12575	.05103	67760	01413	00470	. 20145			
	400.450		06490	.03827	1 184	0.00640	00522	. 19225			
	400.910		3/850	\$/\$*D.	6/641	94E00.	00364	C 9061			
	300.30	0/9/10#	CD/40.	55510.	5000 ·	89000.		108/1.			
	198 010		66.481	1.00954	10060.1	2000 .	- 00002	ניים בי			
	398.510		.21816	12404	.01698	62600.	-,00168	117581			
	ş	RUN NO. 1073/ 0	RN/L .	1.77							
		1	,	,							
	<b>\</b>		: ح	CL#	۲	N.	<b>.</b>	ک			
	800 . 680	801.830	11885	- 13913	. 03008	. 02897	00038	. 18317			

METERENCE DATA   PLUMES SEPARATING FROM 09110   CRILLIPS) (31 JUL METERENCE DATA   CAGGO LINE   CALL METER   CALL MECH   CAL	DATE 02 AUG 75	1A13 SOURCE DATA	ATA							PAGE 354
NAME   1082   0000   N.		-	A13,5RB(58)H	ITH PLUMES !	SEPARATING F	ROM 09110		(RTJ2		(31 34, 75 )
Name   1032,0000   N.	0	TA						PARAMETR 1	C DATA	
RAN NO. 1064/ 0         RN/L - 1.76         CTH         CY         CYN         CBL           4-14         201.010         .37150        17364        359580        001933        01404           5-5         300.390         .60222        25433        114450        07322         .01669           2-6         300.390         .60222        25433        114950        07322         .01669           2-6         597.850         .31017        10526         .05498        07421         .02101           2-6         597.850         .31017        10526         .05498        07427         .01669           2-70         996.960         .86690        19728         .08201        01659        01447           2-70         996.960         .86696        04335        20737         .01696        01415           2-70         996.960         .8696        04335        20737         .01696        01415           2-70         996.960         .8696        04335        10746        00976        01415           2-70         996.960         .8696        04335        10249        01447         .01415	90.0000 SQ.7T. 90.3000 INCHES 90.3000 INCHES	• • •		<b></b> -			MACH ALPHA BOALPHA S	4.510 .000 .000 -10.000	PT0TL 8ETA 08ETA PCHHB	28.900 -5.000 .000 1500.000
Z         CN         CLM         CY         CYN         CBL           9.5.3         300.390         -60222        17354        38580        0193        01404           1.5.3         300.390         -60222        25423        14450        07421         .02337           2.22         300.390         -60222        25423        14450        07421         .02337           2.22         390.380         -60226        25428        14450        07421         .02337           2.70         401.600         -46361        10526        09438        01404         .02101           2.70         596.960         -20907        07962         -107481        01641         .02337           2.70         596.960         -20907        07962        010447         .01641         .01447         .01641           RAN NO. 1063 O.         -0.0366        04335        20737        01946        01446        01446        01446           580         299.290        08696        04335        20737        01646        01446        01447         .01641           580         299.290        08696	_	RUN NO. 1064/		1.76						
1944   201.010   .37150  17364  39580  00193  01404     1944   401.600   .45816  15915  01899  07322   .01629     1944   401.600   .45816  15915  01899  07322   .01629     252   896.580   .20907  10526   .09201  03589  01940     253   800.580   .20907  10526   .09201  03589  01940     254   896.580   .20907  10526   .09201  03589  01940     10   196.580   .20907  10526   .10749  04447   .01641     10   196.580   .20907  19352  20737   .0164  01415     10   196.590   .32020  12193  20922  00976  01946     10   196.590   .32020  12193  20922  00976  01946     20   299.290   .32020  12216  05458  02290   .00739     20   299.290   .35292  24738  00549  00476  01415     20   299.310   .35292  24738  00549  00476  00476     20   299.310   .35292  24738  00540  00970  00976     20   20   20   20   20   20   20	<b>&gt;</b>	7	8	¥ J		C)	6	5		
194   401.600   4.5816   -1.5915   -1.01899   -0.0742    0.02337     144   401.600   4.5816   -1.5915   -0.01899   -0.0742    0.02337     252   597.850   .31017   -1.0526   .08201   -0.05888   .02101     253   996.960   .20907   -1.9728   .08201   -0.03858   .01465     254   996.960   .20907   -1.07962   .10748   -0.0447   .01641     2	•		.37150	17364	- 38580	00193	01404	. 12653		
222         597.850        15918        01699        07421         .02337           222         597.850         .31017        10526         .09498        05588         .02101           653         800.580         .46690        10526         .09491        03858         .01465           270         996.960         .20907        10528         .09801        03458         .01465           270         996.960         .20907        10592         .10748        04447         .01641           RNN MO. 10637         RN/L = 1.76         CLM         CY         CYN         CRL           580         299.290         .32020        12193        20922        01449        01445           580         299.290         .32020        12193        20922        01446        01445           580         299.290         .32020        12193        20922        01446        01445           580         299.290         .32020        12193        20922        01646        01445           580         299.300         .35292        121679        150679        01447         .00546           540	•		. 60222	-, 25423	14450	07322	.01629	.15946		
226 597.850 .3101710526 .0549805588 .02101 655 800.580 .2090719728 .0820103858 .01465 .01465 .2090707962 .1074803447 .01641 .01641 .02658 .01641 .02658 .01641 .02658 .01641 .02658 .01641 .02658 .01641 .02658 .01641 .02658 .01641 .02658 .01641 .02658 .01641 .02658 .01641 .02658 .02658 .02648	;		.45816	15915	01899	07421	.02337	. 15396		
655 800.580 .4669019728 .0820103858 .01465 270 996.960 .2090707962 .1074804447 .01641 RUN ND. 10637 0 RN/L = 1.76  110 196.980 .086960433520737 .0169601946 580 299.290 .320201219320220016401415 450 402.730 .4422716679156550097600476 830 303.040 .5529224738 .0094802290 .00799 830 803.040 .3529224738 .0094802290 .00799 840 10.86 .0010524738 .0034802611 .00851 240 10.590 0 RN/L = 1.76  2	•••	_	.31017	10528	96450	05588	.02101	. 12510		
270         996.960        09967        07962        10748        04447        01641           Run ND. 10637         RN/L = 1.76         1.76         CV         CVN         CBL           110         196.980        20908        20737        01649        01946           580         299.290        32020        12193        20327        01649        01415           450         402.730        44227        16579        15659        02496        00476        01415           450         402.730        44227        12193        20327        00476        01415           830         402.730        44227        12193        20327        01649        01496        00476        01496           830         999.810        35292        24738        00549        0240        00496	7			19728	.08201	03858	.01465	12088		
RUN NO. 10637 0         RN/L = 1.76         CLM         CY         CYN         CBL           110         196.980         .08696        04335        20737         .01696        01946           580         299.290         .32020        12193        20922        00164        01415           450         402.730         .94227        15679        15659        00766        00476           450         402.730         .94227        1216        05458        00766        00476           450         402.730         .91226        24736         .00346        00476        00496           830         598.320         .31683        12216        05458        00240         .00799           830         803.040         .35292        24736         .00346        00496        00496           210         999.810         .35292        24736         .00346        00496        00496           RUN MD. 10597         0.0159        02432         .01614        02475        00596        00495           440         1.086         .00105        02632        02466        00453        00771	ÿ			07962	.10748	04447	.01641	.15272		
110   196.5960   .08636  04335  26737   .01686  01946     580   402.390   .08636  04335  26922  00164  01946     450   402.390   .44227  16579  16579  16579  00476     450   402.390   .44227  16579  16579  00476  00476     450   402.390   .34227  16579  16579  00476  00476     450   402.390   .35236  17246  0346  02690  00799     450   803.040   .35236  17362  03231  00940  0055     450   10.594   0		PUN ND. 10637 (		1.76						
110 196.980 .086960433520737 .0168601946 580 299.290 .3202012193209220016401115 450 402.290 .3202012193209220016401115 450 402.290 .3202012193209220016401115 830 989.320 .31683122160545800590 .00799 830 989.320 .3523817362 .0323100940 .00799 830 989.810 .3523817362 .0323100940 .00799 840 1.086 .0010502832 .0161403475 .00171 840 1.086 .0010502832 .0161403475 .00171 840 101.570 .0273002832 .016140296800171 840 199.740 .115980257431177600559 .00490 8410 399.060 .06530 .0035015299 .00490 .00009 8410 399.060 .2532251004102757 .01123 .00119	<b>&gt;-</b>	2	3	£	Ç	Š	<b>8</b>	<b>≾</b>		
580 299.290 .3202012193209220016401415 450 402.780 .4422716679156550097600476 830 598.320 .31683122160245802290 .00799 830 803.040 .5529224736 .0034602611 .00851 210 999.810 .3523817362 .0323100940 .00396  RUN NO. 10597 0 RN/L = 1.76  420 48.65211749 .03168029510296800111 420 48.65211749 .03168025510296800171 420 48.652117915 .07713117760296800171 420 101.570 .0273003660063350234000453 420 299.430 .065300149317220 .0156200597 410 399.060 .065300137707348 .00490 .00004 630 1260 .232251004102757 .01123 .00104			96980.	04335	20737	.01686	<b>9</b> +610.−	. 13050		
450 402.790 .4422715679156550097600476 830 598.320 .31683122160545802290 .00799 830 803.040 .5529224738 .0094802611 .00851 210 999.810 .3523817362 .0323100940 .00396  RUN ND. 10597 D RN/L • 1.76  420 48.65211749 .03168020510296800111 770 101.570 .0273002832 .0161403475 .00171 770 101.570 .0273003680063350234000453 240 299.430 .0650801724 .0365900599 710 299.430 .065080149317220 .00156200597 710 891.260 .2532251004102757 .01123 .00104			. 32020	12193	20922	00164	01415	.13684		
830         \$98.320         .31683         -,12216         -,03458         -,02290         .00799           830         803.040         .55292         -,24738         .003948         -,02611         .00851           210         999.810         .35238         -,17362         .03231         -,00940         .00396           RUN         1059.         0         .36292         -,24738         .00351         -,00940         .00396           RUN         1059.         0         .36292         -,24738         .00347         .00396           RUN         1059.         0         .00105         -,02832         .01614         -,03475         .00177           420         48.652         -,11749         .03168         -,02951         -,02968         -,00111           770         101.570         .02730         -,03660         -,06335         -,02453         -,00453           240         199.430         .01598         -,0743         -,11727         .03555         -,0071           240         299.430         .06508         -,01493         -,17220         .00490         .00794           240         299.430         .06508         -,01493         -,17220         .00		-	.44227	16679	-,15655	00976	00476	. 14795		
830 803.040 .5529224738 .0094802611 .00851 210 999.810 .3523817362 .0323100940 .00396 RUN NO. 1059/ 0 RN/L = 1.76 840 1.086 .0010502832 .0161403475 .00177 420 48.65211749 .03168020510296800111 770 101.570 .0273003660063350234000453 240 299.430 .065080574317220 .00156200597 710 299.430 .0650801349 .0156200597 710 891.260 .232251004102757 .01123 .00104		-	.31683	12216	05458	02290	.00799	. 14372		
210         999.810         .35238        17362         .03231        00940         .00396           RUN ND. 10597         RN/L = 1.76         LT.76         CLM         CY         CYN         CBL           420         1.086         .00105        02832         .01614        03475         .00177           420         48.652        11749         .03168        02051        02968        00177           420         48.652        11749         .03168        02051        02968        00177           770         101.570         .02730        03560        06335        0240        00453           320         199.740         .11598        05743        11727         .03555        01764           240         299.430         .06508        01743        17220         .01562        01764           410         299.740         .10568        01357        17220         .00490         .00004           410         899.740         .10366        01357        0748         .00490         .00004           410         899.740         .10366        10041        02757         .01123         .00104 <td></td> <td></td> <td>. 55292</td> <td>24738</td> <td>9,600.</td> <td>02611</td> <td>.00851</td> <td>. 15369</td> <td></td> <td></td>			. 55292	24738	9,600.	02611	.00851	. 15369		
Z         CN         CLM         CY         CYN         CBL           640         1.086         .00105        02832         .01614        03475         .00177           420         48.652        11749         .03168        02951        02968        00111           770         101.570         .02730        03560        06335        02340        00111           370         1957         .07713        11176        02569        00771           240         299.430         .16568        01493        17247         .03555        01764           240         299.430         .06508        01493        17220         .01562        00597           410         299.430         .06508        01493        17220         .01562        00597           410         299.40         .06508        01493        17220         .00490         .000004           410         899.70         .10356        01349        01562        00597           410         891.26         .23225        10041        02757         .01123         .00104           410         891.26         .24587	•		. 35238	17362	.03231	0,600.−	96200	.16732		
2         CN         CLM         CY         CYN         CBL           4-20         1.086         .00105        02632         .01614        03475         .00177           4-20         48.652        11749         .03168        02051        02968        00177           770         101.570         .02730        03660        06335        02340        00171           320         147.170        17915         .07713        11176        02540        00453           240         299.430         .11598        05743        17220         .01562        01764           240         299.430         .06508        01493        17220         .01562        01764           410         599.740         .10366        01350        15299         .00490         .00004           410         599.740         .10356        10749         .01123         .00169           170         891.260         .23225        10041        02757         .01123         .00104           170         1000.200         .24587        13971         .01613         .01112         .00104	Œ	NN NO. 10597 (		1.76						
640         1.086         .00105        02832         .01614        03475         .00111           420         48.652        11749         .03168        02051        02968        00111           770         101.570         .02730        03560        06335        0240        00453           220         147.170        17915         .07713        11176        00569        00771           240         299.430         .06508        01493        17270         .01562        00597           410         299.430         .06508        01493        17220         .00490         .00004           410         299.430         .06508        01493        17220         .00490         .00004           410         599.740         .10356        17220         .00490         .00004           410         599.740         .10356        01349         .00490         .00490           410         891.260         .23225        10041        02757         .01123         .00104           410         800.260        25325        10641        10671         .01112         .01112         .01104	>	~	ટ	S	Շ	Š	සි	5		
420         48.652        11749         .03168        02051        02968        00453           770         101.570         .02730        03660        06345        0240        00453           220         147.170        17915         .07713        11176        00569        00771           240         299.430         .06506        01493        17270         .03555        01764           240         299.430         .06506        01493        17220         .00490         .00009           410         299.740         .05506        01493        17229         .00490         .00004           410         599.740         .10366        01337        07349         .00497         .00497           410         891.260         .23225        10041        02757         .01123         .00104           170         800.200         .24587        13971         .01613         .01112         .00104			20100.	02832	٠01614	03475	74100.	.21363		
770     101.570     .02730    03650    06335    02340    00453       920     147.170    17915     .07713    11176    00569    00771       370     199.740     .11598    05743    17220     .01562    01764       240     299.430     .06508    01493    17220     .01562    00597       410     399.060     .06530     .00350    15299     .00490     .00004       930     599.740     .10366    01337    07348     .00497     .00495       170     891.260     .25225    10041    02757     .01113     .00104			11749	.03168	02051	02968	00111	62902		
920     147.170    17915     .07713    11176    00569    00771       370     199.740     .11598    05743    17220     .03655    01764       240     299.430     .06508    01493    17220     .01562    00597       410     399.060     .06530     .00350    15299     .00490     .00004       930     599.740     .10366    01337    07348     .00497     .00452       170     891.260     .25255    10041    02757     .01113     .00104	399.7		. 02730	03660	06335	02340	00453	71402.		
370     199.740     .11598    05743    17220     .03555    01764       240     299.430     .06506    01493    17220     .01562    00597       410     399.060     .06530     .00350    15299     .00490     .00004       930     599.740     .10366    01337    07348     .00497     .00452       170     891.260     .25225    10041    02757     .01133     .00104	399.8		17915	.07713	11176	00569	00771	19133		
240     299.430     .06508    01493    17220     .01562    00597       410     399.060     .06530     .00350    15299     .00490     .00004       930     599.740     .10366    01337    07348     .00497     .00452       170     891.260     .22255    10041    02757     .01123     .00104       000     1000.200     .24587    13971     .01613     .01112     .00104	399.3		.11598	05743	17727	.03655	01764	.18318		
.410 399.060 .06530 .0035015299 .00490 .00004 .930 599.740 .103660133707348 .00497 .00452 .170 801.260 .232551004102757 .01123 .00318 .000 1000.200 .2458713971 .01613 .01112	¥00.2		.06508	01493	17220	.01562	00597	.16318		
.930 599.740 .103660133707348 .00497 .00452 .170 801.260 .232551004102757 .1123 .00318 .000 1000.200 .2458713971 .01613 .01112			.06530	.00350	15299	06400.	+0000	.17167		
.170 801.260 .232551004102757 .01123 .00318 .000 1000.200 .2458713971 .01613 .01112 .00104			.10366	01337	07348	.00497	.00452	.16836		
.000 1000. S1110, E1310, 17851 78245, 005.0001 000.			. 23225	10041	02757	.01123	.00318	.17351		
	•		.24587	13971	.01613	51110.	+0100.	.17088		

CA . 18449

CBL -.00141

CYN . 03084

CY .02197

CLM -. 16194

CN . 26796

Z 797.950

۲ 799.980

1.76

FN/L .

RUN NO. 1076/ 0

75 IA13 SOUNCE DATA
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XMPR = 1052.0000 IN. XT  YMRR = .00000 IN. XT  ZMR NO. 1108/ 0 RW/L = 1.77  RUN NO. 1108/ 0 RW/L = 1.77  RUN NO. 1107/ 0 RW/L = 1.77  Z CN CLM CY  Z CN CM  Z CN CLM CY  Z CN CM  Z CN CM  Z CN CLM CY  Z CN CM  Z	REFERENCE DATA							PARAMETRIC DATA	c DATA	
7 CN CLM CY CYN 598.800 .4255613729 .1331008731 802.980 .6284328752 .0984003383 1000.300 .8284328752 .0984003383 1000.300 .8284328752 .0984003383 1000.300 .3508216405 .1144303583 1001.940 .410725021981200528 401.940 .4417725021981200528 401.940 .4417725021981200528 600.790 .3308231692601994 5599.830 .308341692601994 5599.830 .308341692601994 151.570 .306341692601994 151.570 .306341692601916 .09156 1980.40 .133180824121916 .09156 390.300 .170 .323891690923745 .08374 390.300 .170 .32389199092334500149 1001.500 .3458119100 .0447600149 1001.500 .3458119100 .0447600149	2690.0000 SQ.FT. XPRP 1290.3000 INCHES YHRP 1290.3000 INCHES ZHRP .0100	_	0000 IN. YT				-	4.510 .000 .000 .000	PTOTL BETA DBETA PCHMB	28.900 -5.000 -5.000
2 CN CLM CY CYN 598.800 .425616729 .1331008731 802.980 .5284329752 .0984002983 1000.300 .5284329752 .0984002983 1000.300 .3508216405 .1144304277  2 CN CLM CY 197.720 .142491648823774 .0587725971 .0228901994 599.830 .30823169261293801994 599.830 .30823169261293801994 599.830 .3082425971 .0228901994 191.940 .4177252021293801994 599.830 .30824168091692601546 198.040 .138181692619104 .0915616984 198.040 .138181680923745 .00538 1001.500 .345811690218372 .03288 599.830 .308341690618374 .00149 396.550 .5273619100 .0047600149	FICK NO.	1108/ 0	RN/L -	1.7						
998.800	>	•	3	S	5	CXN	ري	5		
802.980	- 004	198.800	80004	-, 13729	13310	08731	90460.	.12405		
1000.300 .3508216405 .1144304277  2	716.1	802.980	.62843	29752	0.09840	03983	.01338	18181.		
7 CN CLM CY CYN 197.720 .142491048823274 .05677 302.110 .64521347721981200528 401.940 .44177252021293801994 5599.830 .30823169260389902123 8000.790 .5319425971 .0226901400 1002.000 .533552711C .0505001546 NO. 1106/ O RN/L = 1.77  2 CN CLM CY CYN 151.570 .306341646719104 .09156 198.040 .138180824121016 .08578 390.170 .323891680923745 .08374 390.550 .527361680923745 .003374 390.550 .5273619100 .0447600149 1001.500 .3458119100 .0447600149		000.300	.35082	16405	. 11443	04277	.01500	0.15740		
Z CN CLM CY CYN 197.720 .142491048823774 .05677 302.110 .64521347721981200558 401.940 .44177252021293801994 599.830 .30823169260389902123 800.790 .533552711C .0526901400 1002.000 .533552711C .0526901400 1002.000 .533552711C .0526901400 1002.000 .533552711C .0526901400 1002.000 .533552711C .0526901906 198.040 .138180237119104 .0915801546 198.040 .323881646719104 .0915801546 198.040 .233041646719104 .09158 198.550 .233041696218372 .00393 1001.500 .323883476801082 .00393 1001.500 .325883476801082 .00393 1001.500 .325883476801082 .00393	RUN NO.	0 //011	RN/L -	1.71						
197,720 .142491048823274 .055875401.940 .1932800588 401.940 .44177256021293801994 .599.830 .30823169260389902123 800.790 .5319425971 .0226901400 1002.000 .533552711C .0505001546 .1051.970 .306341646719104 .09156980.78 .300.170 .328981680923745 .09156 .300.1596 .323891680923745 .00125 804.410 .720993476801082 .00193 1001.500 .3458119100 .0447600149 .2015.90 .345812888401082 .00393 1001.500 .345812888401082 .00393 1001.500 .345812888401082 .00393 1001.500 .345812888401082 .00393 1001.500 .345812888401082 .00393 1001.500 .345812888401082 .00393 1001.500 .345812888401082 .00393 1001.500 .345812888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .3888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .345813888401082 .00393 1001.500 .00393 1001.500 .00393 1001.500 .00393 1001.500 .00393 1001.500 .00393 1001.500 .00393 1001.500 .00393 1001.500 .00393 1001.500 .00393 1001.500 .00393 1001.500 .00393 1001.500 .00393 1001.500 .	<b>&gt;</b> -	7	3	£	Շ	CYN	룡	క		
302.110 .64521347721991200528 401.940 .44177252021293801994 599.830 .30823166260389902123 800.790 .5319425971 .0226901400 1002.000 .533552711C .0505001400 1002.000 .533552711C .0505001546 151.570 .306541646719104 .09156198.040 .138181680923745 .081581680923745 .081581680923745 .00323 1001.500 .3458119100 .0447600149 1001.500 .3458119100 .0447600149	200,590	197.720	14249	10488	23274	.05877	02675	.10026		
## ## ## ## ## ## ## ## ## ## ## ## ##	200.330	302.110	.64521	34772	19812	00528	00725	. 13377		
2 CN CLM CY CYN CYN CYN CYN CYN CYN CYN CYN CYN	200.400	401.940	74177	25202	-, 12938	0199⁴	16000.	94561.		
800.790 .5319425971 .0226901400 1002.000 .533552711C .0605001546 .01602.000 .533552711C .0605001546 .01602.000303 .0260419104 .0915619105 .03330947619104 .09156290.170 .323891646719104 .09156290.170 .323891646719104 .09156290.170 .323891646719104 .0915600125 .00393 1001.500 .323893476901082 .00393 1001.500 .325893476901082 .00393 1001.500 .325893476901082 .00149 .00149 .001500 .325893476901082 .00149 .00149 .001500 .325893476901082 .00149 .00149 .001500 .325893476901082 .00149 .001500 .325893476901082 .00149 .001500 .325893476901082 .00149 .001500 .325893476901082 .00149 .001500 .325893476901082 .00149 .001500 .325893476901082 .00149 .001500 .325893476901082 .00149 .001500 .325893476901082 .00149 .001500 .325893476901082 .00149 .001500 .325893476901082 .00149 .001500 .325893476901082 .00149 .001500 .325893476901082 .00149 .001500 .325893476901082 .00149 .001500 .325893476901082 .00149 .001500 .325893476901082 .00149 .001500 .325893476901082 .00149 .001500 .001500 .00149 .001500 .001500 .00149 .001500 .001500 .00149 .001500 .0015	199.880	599.830	.30823	16926	-,03899	02123	.01477	.12827		
1002.000 .533552711C .0605001546  NO. 1106/ 0 RN/L = 1.77  2 CN CLM CY CYN 151.570 .306541646719104 .09156 1581.570 .323691646719104 .09156 1580.40 .138180624121018 .08374092.550 .233041096218372 .03288599.950 .52736233330948400125 809.410 .720893476901082 .00393 1001.500 .3458119100 .0447600149  7 CN CLM CY CYN 2 CN CLM CY CYN 2 CN CLM CY CYN 3 CN CLM CY CYN 5 CN CLM CYN 5 CN CLM CYN 5 CN CLM CYN 5 CN CLM CYN 5 CN CLM CYN 5 CN CLM CYN 5 CN CLM CYN 5 CN CLM CYN 5 CN CM CYN 5 CN CM CYN 5 CN CM CYN 5 CN CM CYN 5 CN CM CYN 5 CN CM CYN 5 CN CM CYN 5 CN CM CM CYN 5 CN CM CYN 5 CN CM CYN 5 CN CM CM CYN 5 CN CM CM CYN 5 CN CM CM CYN 5 CN CM CM CYN 5 CN CM CM CYN 5 CN CM CM CYN 5 CN CM CM CYN 5 CN CM CM CYN 5 CN CM CM CYN 5 CN CM CM CYN 5 CN CM CM CM CM CM CM CM CM CM CM CM CM CM	201.720	900.790	.53194	25971	. 02269	01400	.00793	. 12113		
7 CYN 1106/ 0 RW/L = 1.77  2 CN CLM CY 151.570 .306541646719104 .09156 198.040 .323891646719104 .09156 300.170 .323891680923745 .08578 396.550 .233041096203745 .00374 604.410 .720893476901082 .00393 1001.500 .3458119100 .0447600149  NO. 1081/ 0 RW/L = 1.77  2 CN CLM CY CYN 2 CN CLM CY CYN 2 CN CLM CY CYN 2 CN CLM CY CYN 2 CN CLM CYN 2 CN CLM CYN 2 CN CLM CYN 2 CN CN CNN 2 CN CNN 2 CN CNN 2 CN CNN 2 CNN 3 CNN 3 CNN 4 CNN 5	200.060	000.500	. 53355	27116	. 05050	01546	. 00420	. 15497		
2 CN CLM CY CYN 151.570 .306541646719104 .09156 198.040 .323881680923745 .08374 396.550 .233041096218372 .08378 599.950 .52736233330848400125 604.410 .720893475801082 .00393 1001.500 .3458119100 .0447600125 2 CN CLM CY CYN 2 CN CLM CY CYN 5 CN CLM CY CYN 6 CN CLM CY CYN 6 CN CLM CY CYN 7 CN CN CN CYN 7 CN CN CN CN CN CN CN CN CN CN CN CN CN	PEN NO.	1106/ 0	RN/L .	1.77						
191.570 .306541646719104 .09156 . 196.25.	>	7	ટ	5	Շ	K.	8	5		
198.040 138180824121016 08678 300.170 323881680923745 .08378 396.550 233041096218372 .03288999.950 .2273610962 .00125 804.410 .720992333300447600125 804.410 .7209919100 .0447600125 804.710 .72099 .234581 .19100 .04476 .700149 .72081119100 .04476 .720811 .77	389.270	151.570	.30654	16467	19104	. 09156	03929	. 18117		
396.550 .233891680923745 .08378 .08378 .396.550 .233041096218372 .03288 .599.950 .22336101082 .001298 .001298 .001081 0 .720893475801082 .00393 1001.500 .3458119100 .0447600149 .20149 .201614	399.080	198.040	.13818	08241	21016	. 08678	03861	16848		
396.550 .233041096218372 .03288 - 599.950 .52736233330848400125 604.410 .720893475801082 .00393 1001.500 .3458119100 .0447600149 NO. 10817 0 RN/L = 1.77  Z CN CLM CY CYN ( 601.770 4187128482 0.1208 .02811 -	398,780	300.170	. 32388	-,16809	23745	.08374	03850	. 15080		
599.950 .52736233330848400125 604.410 .720893476801082 .00393 1001.500 .3458119100 .0447600149 NO. 10817 0 RN/L = 1.77 Z CN CLM CY CYN (	401.370	396.550	. 23304	10962	18372	.03288	01805	. 13764		
804,410 .720893476801082 .00393 1001.500 .3458119100 .0447600149	400.160	599.950	. 52736	23333	08484	00125	.00218	01641.		
1001.500 .3458119100 .0447600149 NO. 10817 0 RN/L = 1.77 Z CN CLM CY CYN ( Z CN CLM CY CYN (	402.150	804.410	.72089	34769	01082	.00393	.00375	. 16116		
NO. 1081/ 0 RN/L = 1.77  Z CN CLM CY CYN 2 AN 770 5181	400.180	001.500	.34581	19100	.04476	00149	61000.	. 15505		
2 CN CLM CY CYN CYN CYN CYN	RGN NO.	1081/ 0	RN/L	1.77						
11850 80510 58485 17812 077 108	>	2	8	r T	č	χχ	ඡු	ర		
1000	800.050	901.770	.51831	28482	.01209	.02811	00071	.18103		

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	28.90¢ -5.000	-10.000	1500.000											
C DATA	FTOTL BETA	VE 14	P.C.											
PARAMETRIC DATA	.510	-10.000 DE	. 000		5	7.4651.	.14776	. 16782		క	.11960	. 11215	.10666	.14455
	MACH .	DALPHA -	×		<b>8</b> 5	.03373	.01269	.01516		평	02440	.02427	.00796	.00751
					Š	0852¥	03520	04691		CYN	08369	06508	02020	02169
					ដ	14074	.12804	. 14958		Շ	02989	00378	.03196	. 08569
				1.76	SLM CLM	20894	18044	21491	1.76	H C	32805	25508	15962	14571
	1052.0000 IN. XT	447.0000 IN. ZT		RN/L .	ક	.49139	+6604·	.46587	RN/L -	8	.48563	.48066	. 34411	.30317
	XMRP = 1052.			RUN NO. 1109/ 0	2	600.520	799.640	1002.700	RUN NO. 1120/ 0	7	401.790	601.743	801.110	1000.100
REFERENCE DATA				2	<b>;-</b>	1.237	. 020	017	P. N.	>-	200.750	200.520	202.440	200.820
REFE	2690.0000 SQ.FT.	1290.3000	.010											
	SPEF	• 53	ALE .											
	55 S	85	ß											

CA .13785 .12972 .11399 .12214

CBL -.03874 -.02147 .00295 .00234

.07407 .02541 -.01145 -.00657

CY -.22384 -.16317 -.08654 -.02925

-.06897 -.20365 -.21522 -.10411

CN -.01567 .23865 .32624 .20756

298.040 397.910 599.090 800.510

Y 400.150 401.220 402.500 403.000

RUN NO. 1121/ 0

CA .17413

CBL -.00051

CYN .04333

CY -.01280

CLM -.22305

CN .+0595

2 799.430

800.030

1.76

RN/L

RUN NO. 1084/ 0

DATE 02 AUG 75	[4]3	IAI3 SOURCE DATA								PAGE 357
		IAI3	. SPRESBURG.	TH PLUMES S	1A13, SRBISBINITH PLUNES SEPARATING FROM 09110	ROM 09110		(87,4278)		( 31 JUL 75 )
REFERENCE DATA	DATA							PARAMETRIC DATA	C DATA	
SPEF = 2590.0000 SQ.FT. LPEF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	T. XOFRP ES YHERP ES ZHERP	1052	.0000 IN. XT .0000 IN. YT .0000 IN. ZT				MACH ALPHA BOALPHA C	000. 000. 000. 000.	PTOTL BETA DBETA PCHMB	-58.900 -5,000 -20.000
	3	RUN NO. 1126/ 0	RN/L -	¥.						
	<b>&gt;</b>	*	8	C'H	ć	CYN	95	3		
<b>ኢ</b>	200.700	600.740 64.140	54902	298%	0030	13304	.05833	. 15200		
	201.260	1000.800	30179	13613	82440.	01067	.00436	.17058		
	PCN NO	RUN NO. 1127/ 0	RN/L	1.75						
	<b>&gt;</b>	2	3	2	5	C	<b>5</b>	5		
3£	399.960	598,530	.4702B	30004	.01856	07028	.01679	.03596		
5£	400.230 398.560	810.350 998.970	. 29242 . 23249	166 <b>82</b> 13608	.00241	-,01591 .00289	.00856	. 1049¥		
	PCN NO	RUN NO. 1089/ 0	RN/L .	1.75						
	<b>&gt;</b>	,	2	×	5	3	ē	đ		
9	, oi. 220	397.810	.23865	20365	15317	.02541	02147	. 12972		
		IAI3,	SRB(SB)WIT	H Pt CHES SE	IAI3,SABISBINITH PLUMES SEPARATING FROM 09710	OH 09710		(RT.2279)		(31 J. 75 )
REFERENCE	CE DATA							PARAMETRIC DATA	DATA	
•		- 1052					HACH	4.510	PTOTL	88.900
BREF * 1290.3000 INCHES	S YHRO		.0000 IN. YT				ALPHA -	000.	BETA DRFTA	-5.000
SCALE0100							• ×	000		1500.000
	<b>S</b>	RUN NO. 1065/ 0	RN/L .	1.78						
	>	7	ક	CL.	ដ	CYN	<b>6</b> 5	5		
	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	601.690 801.120	. 53032	27533	05786	02826	05392	. 13355		
		1000.800	.51419	31592	.07761	01115	¥1£00°.	. 18864		
	PCN NO	RUN NO. 1056/ 0	RN/L .	1.78						
	<b>&gt;</b>	2	ક	CLM	Շ	N.C.	룡	ర		
2	202.170	598.050	.25257	11640	12927	.02%7B	04830	. 14753		
<b>5</b>	1 <b>97.580</b> 198.380	800.820 999.110	. 37428	18715	03486	7.000. 0.940	-, <b>02213</b>	13861		
	,		1	· .	,	h 000	) ) ) )	FU/0: .		

PAGE 358	(RTJ279) (31 JUL 75 )
	(RTJ279)
IAI3 SOURCE DATA	1A13, SRB (SB) HITH PLUNES SEPARATING FROM 09110

DATE 02 AUG 75

PAGE 358

	REFE	REFERENCE DATA	<b>*</b>							PAR LETRIC DATA	DATA		
SAEF LREF • BREF • SCALE •	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	SQ.FT. INCHES INCHES	XARRO VARRO	1052	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA BOALPHA B	4.510 .000 .20.005-	PTOTL BETA OBETA PCHMB		28.900 -5.000 5.000 1500.000
		œ	₹	RUN NO. 1067/ 0	BN/L	1.78							
		7 402.070 401.860 399.740		2 598.140 800.800 1000,600	CN 01869 .31954 .38784	CLM .05468 13521 19877	CY 09938 04129 .01077	. 00682 . 00745 . 00674	CBL 00027 .00008	CA .17824 .17825 .16822			
		Œ	9 3	RUN ND. 1074/ 0	RN/L -	1.78							
		۲ 799.990		2 801.680	CN . 28882	CLM 18657	CY 00645	CYN .04177	CBL 000?2	CA .18795			
				[A13	.8R8(58)W11	IAIB, SRB(68) WITH PLUNCS SEPARATING FROM OBTIO	EPARATING FR	ROM 09710		(RTJ280)	-	31 JAL 78	. 25 .
	REFER	REFERENCE DATA	<							PARAMETRIC DATA	DATA		
SPEF . LREF . BREF . SCALE .	2690,0000 SO.FT. 1290,3000 INCHES 1290,3000 INCHES .0100	SO.FT. INCHES INCHES	X X X X X X X X X X X X X X X X X X X		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH ALPHA DALPHA	4.510 .000 -20.000	PTOTL BETA DBETA PCHMB		28.900 -5.000 .000 1500.000
		Œ	₹	RUN NO. 1070/ 0	RN/L	1.76							
		≻ gùyi	£.g.:	2 800.070 1000.500	CN . 59484 . 60839	CLM 35178 35569	CY .04182 .07045	CYN 00331 00839	CBL 00049 00340	CA .07501 .05086			
		Ć.	₹	RUH NO. 1068/ 0	RN/L .	1.76							
		<b>&gt;</b>		2	ક	<b>5</b>	Շ	CAN	<b>18</b> 5	<b>S</b>			
		200.770 200.540 200.410	6	600.620 801.800 998.520	40287 .44005 .24508	24142 27613 16890	13706 06172 .00231	.03248 .03672 .01377	-,07030 -,03993 -,00503	.13271 .11003 .10272			
		œ	9 3	RUN NO. 1069/ 0	RN/1	1.76							
		Y 400.070 398.510 398.280		2 601.310 758.820 1000.900	CN .40088 .27924 .40633	CLM 19540 14608 21257	CY 13987 06216 .00582	CYN .03160 .02113	CBL 03387 02390 00248	CA . 1 <b>6392</b> . 15282 . 15247			

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A13 SOURCE DATA	
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SREF = 2690.0000 SQ.FT. X LREF = 1290.3000 INCHES ZY BREF = 1290.3000 INCHES ZY SCALE = .0100 RUN Y REFERENCE DATA SPEF = 2590.0000 SQ.FT. XP BREF = 1290.3000 INCHES ZY SCALE = .0100 RUN Y RUN Y SCALE = .0100 RUN Y RUN HUN HUN HUN HUN HUN HUN HUN HUN HUN H	ATA XHRP YHRP ZHRP YHRP ZHRP XHRP YHRP ZHRP YHRP ZHRP ZHRP ZHRP ZHRP ZHRP ZHRP ZHRP Z	2 2 799.290	1A13, \$RB (\$B)  1052.0000 IN.  447.0000 IN.  57. 0 FBV/L =  57. 0 FBV/L =  1052.0000 IN. 3	1413,988(59)HITH PLUMES SEPARATING FROM 09110  -22.0000 IN. XT -0000 IN. XT 47.0000 IN. XT -1.001501277 .04168  -1.184951011501277 .04168  -1.184951011501277 .04168  -1.184951011501277 .04168  -1.184951011501277 .04168  -1.184951184905021  -1.184951184905021  -1.184951184905021  -1.184951184905021  -1.184951184901811 .01672  -1.184951184901830 .04152  -1.184951184904152  -1.184951184904152  -1.184951184904152	CY01277012771158013156105110783004085	CYN . 04 168 04 168 04 168 05021 05021 05020 05020 05020	МАСН В В ДЕРНА В В В В В В В В В В В В В В В В В В В	(ATUPBO) PARAMETRIC DATA -20.000 BETA -20.000 PCHM -20.000 BETA -20.000 BETA -20.000 PCHM -20.00	PTOTL PTOTL PETA OBETA PCH48 PTOTL PTOTL BETA PCH48	A	28.900 -5.000 1500.000 1500.000
7 600.380 398.180 398.290	-	2 598.900 799.400	CN .46511	32715 20190 17968	18976 09440 0063	.07217 .04755 .01914	CBL. 09541 04553 01227	CA .13602 .11682 .11676			

CA . 18348

CBL .00009

CYN . 04043

CY -. 00633

CLM -.21368

CN .38715

Y Z 800.330 799.150

<u>.</u>

FBV/L

RUN NO. 1082/ C

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IAI3.SRB(58)HITH PLUMES SEPARATING FROM OBTIO	

PAGE 360

	28.900 -5.000 -10.000 1500.000									(3) JUL 75		28.900 -5.000 -20.000				
	• • • •															
IC DATA	PTOTL BETA OBETA PCHMB										DATA	PTOTL BETA DBETA PCHMB				
PARAMETRIC DATA	4.510 .000 -20.000		CA .06550 .09319		CA 03013 .03669		CA .08773 .08183		CA . 16450	(RTJ283)	PARAMETRIC DATA	000. 000. 000.05-		CA .13283 .12785		CA 03664 .11819
	MACH ALPHA DALPHA X		CBL .07358 .05407		CBL 01977 .00023		CBL 05784 01771		CBL 01666			MACH		CBL .07117 .04533		CBL . 0382 . 00610
			13007		CYN . 04248		CYN .09821 .05714		CYN . 04542	OH 09110				CYN -,20703 -,13177		CYN . 14963 . 02053
			CY .23971 .23351		CY 07469		CY -,18037 -,05661		CY 01573	IAI3,SRB(SB)HITH PLUNES SEPARATING FROM 09710				CY . 28354 . 23080		CY 2%12 <b>6</b> .00%91
	<b>.</b>	1.78	CLM 25179 36024	1.76	CLH 35804 33939	1.76	CLM 39520 41000	1.76	CL# 28748	TH PLUMES SI			1.71	CLM 31748 37175	1.71	СLН 33877 21872
	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	FBV/L .	CN . 38169 . 61269	RN/L -	CN .50082 .54154	RN/L .	CN .57688 .60363	RN/L -	CN 5829	3,5RB(5B)WI		1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT	FBN/L .	CN .61817 .64987	RN/L .	.50276 .50276
	1052 4.7	0 \	900	e/ 0	500	0	0 2	•	30	1413		052.0 .0 	0	<u>ي</u> و	0	8.8
	• • •	RUN NO. 11117 0	2 800.050 1001.900	RUN NO. 11227 0	2 799.500 1001.700	RUN NO. 1123/ 0	2 799.800 999.740	RUN NO. 1083/ 0	Z 799.830				UN NO. 1125/ 0	2 801.260 1003.900	RUN NO. 1124/	2 797.900 997.820
	XPSSP YTHRP ZTHRP	9		9	_	Š		9				XHEP XHEP ZHEP	ġ	B 2	ġ	r 6
REFERENCE DATA		\$	7 748 276	\$	7 201.790 201.120	æ	Y 401.140 397.720	\$	γ 799.900		REFERENCE DATA		\$	7 200.790 200.440	\$	Y +00,620 +00,560
REFER	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100										REFERE	2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES				
	SCALE SCALE											SPEF LREF BPREF SCALE				

DATE 02 AUG 75	IA13 SOURCE DATA	CE DATA							PAGE 361
		1413	.SR8(58)WI	TH PLUMES S	IAI3,SRB(SB)WITH PLUMES SEPARATING FROM 09710	30H 09710		(RTJ283)	33) (31 JUL 75 )
REFERENCE DATA	⋖							PARAMETRIC	: DATA
SAEF * 2690.0000 SQ.FT. LREF * 1290.3000 INCHES BREF * 1290.3000 INCHES SCALE *	XMRP YMRP ZMRP	1052.0	1052.0000 IN. XT .0000 IN. YT 447.0000 IN. ZT				MACH - ALPHA - DALPHA - X	4.510 .000 .000 .000	PTOTL • 28.900 BETA • -5.000 OBETA • -20.000 PCH*B • 1500.000
Œ	RUN NO. 1090/ 0	0 /06	RN/L -	1.11					
¥ 096.960		Z 001.750	ON 45401	CLM 36591	CY 17790	CYN . 15480	CBL 07872	CA . 12365	
		: A13	,548(58)WI	TH PLUMES S	AIS, SAB (SB) WITH PLUMES SEPARATING FROM 09110	30H 09T10		(RTJ300)	)0) (31 J.C. 75 )
REFERENCE DATA	⋖							PARAMETRIC DATA	: DATA
SPEF = 2690.0000 SO.FT. LPEF = 1290.3000 INCHES BPEF = 1290.3000 INCHES SCALE = .0100	XMRS - ZM	0.167.0 .0.	1167.0000 IN. XS .0000 IP. YS 400.0000 IN. ZS				MACH ALPHA P	000 .	PT0TAL = 11.600 BETA = .000 DBETA = .000 PCH*GR = 1500.000
œ	RUN NO. 3	303/ 0	RN/L .	17.					
	×		7	ટ	Ę	Շ	Š		
		. 25°	.080	07268	02395	78170.	.01095		
		202	49.901	06739	- 02431	.07677	BC500.		
		.234 - -	100.040	100 i	01078	20870	10500		
		92	200.410	05267	19600 -	97840.	00231		
		139	300.100	05817	-, 00998	.05296	00003		
		.078	400.080	06420	91610	.05969	.00562		
		250 200	801.080	07348	03182	. 06611	5810		
	•	. 4 2 5	1000.100	07446	03026	16890.	.01055		
Œ	RUN NO. 3	304/ 0	RN/L .	17.					
	×		7	ક	g.	Շ	CAN		
	350	330.230	. 178	06411	01546	.07492	.02550		
	300	300.510	48.373	06132	01867	8C+70.	₹2×10.		
	300	300.290	¥37. 68	05311	01466	.06653	.00358		
	300	300.330	151.540	-,05046	00915	.04818	00423		
	300	300.280	201.880	04700	00833	04820	00431		
	98	300.380	299.870	56640	00869	92120.	00382		
	300	300.330	400.270	05038	01824 0450	.05723	18400.		
	300	300.420	798.820	07320	64010	.06622	₹8010.		
	300	300.520	999.020	07277	03027	.06653	17110.		

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ORIGINAL PAGE IS OF POOR QUALITY (RTJ300) (31 JUL 75 )

# IAI3, SPB (SB) WITH PLUMES SEPARATING FROM 09710

	000.00 <b>21</b>													£.		0.800	000.	000.	1500.000												
: DATA	PTOTAL = BETA = DBETA = PCHMBR = 19													1) (3) JUL 75	DATA	PTOTAL .		•	PCHEEK . 15												
PARAMETRIC DATA	000. 000.													(RTJ301)	PARAMETRIC DATA	4.480	000	000.	200.000												
	MACH ALPHA DALPHA Y		CYN	.01314	.01645	.00791	00249	00392	00350	.00268	1810.	19010	.01235			HACH	ALPHA .	DALPHA -	•		3	10.0	0.00	01006	F 9700 -	1.600	00625	00258	00734	.00387	PROCE
			Շ	S1660.	.08204	. 06073	.04810	.04893	. 05c83	98550.	\$0//O.	90000	. 06427	ROK 09110							5	16860	02610	01670	00801	7 7 10 -	00765	00051	00806	00864	00152
			S.H	02822	02894	01444	00926	00850		//*10°-		01150	63076	IAI3,SRB(58)HITH PLUNES SEPARATING FROM 09T10							2	01912	02142	-,02552	-, 02955	03013	03304	03499	02673	02434	0212¢
	xs Ys ZS	17.	3	0 <b>06</b> 44	02293	05869	04993	04746	2.0004C	00000.	001/20	66.60	07199	TH PLUMES S						8	3	09192	09453	-,09612	09596	-,10158	0 <b>96</b> 07	09328	07708	07690	∪ / 30B
	1167.0000 IN. XS. 2000 IN. YS. 400.0000 IN. ZS.	FBV/L -	7	<b>199</b> .	31.0¥	99.583	149.210	300.000	700 OEA	501.350	0.0.00	2000	938.800	3,5R8(58)WI		1167.0000 IN. XS		400.0000 IN. 25		PBV/L	2	208	50.455	100.610	150,520	200.240	300.440	400.560	599.610	799.060	DOD . DOD
TA	X0F8P = 1167 YM8P = ZM8P = +00	RUN NO. 305/ 0	×	600.430	600.480	600.520	084.009	600 530	500.330	600.470	830.420	000	900.000	IAI	<	•	•			RUN NO. 368/ 9	×	599.510	600.490	600.580	600.520	600.630	600.5+0	600.610	600.570	600.700	
REFERENCE DAT	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100	-													REFERENCE DATA	2690.0000 SQ.FT.	1290.3000 INCHES	.0100		₹											
	SPEF - SPEF - SCALE - SCALE															•		l di													

OCE DATA	שתעור העוץ
200	ANC CIVI
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DATE DE AUG 75

IAI3, SRB (58) MITH PLUNES SEPARATING FROM 09710 (RTJ30)	(RTJ302) ( 3	=
TITLE STORY COLOR	1010 0101	

PAGE 363

	29.000 .000 .000 756.000																																				
DATA	PTOTAL BETA BETA BETA BETA BETA BETA BETA BETA																																				
PARAMETRIC DATA	0.000																																				
•	ALPHA -		CYN	.00453	.00231	.00169	.00282	.00616	77810.	-0100	.00552	\$1.500°	.002 <b>93</b>		S.S.	17100.	1+000.	002¥6	00130	00137	S4500.	.01239	.00292	96+00∵	.00326		Č,	96£00	. 00516	<b>-</b> .000 <b>⊁</b> 8	00121	00368	00213	.00628	. 00386	.00390	- 0043 <del>2</del>
			۲	16800	.010≥	. 00825	. 00932	.01483	. 02854	.02576	. 02,22	.02275	. 02102		Շ	.00703	.00733	71700.	.00690	S+100.	92410	. 02923	.02304	. 02082	. 02140		Շ	40010·	.01131	₹6900.	.00556	.00856	.01203	. 02227	. 62457	.02148	92126
			CLM	00721	00684	00379	00250	00529	01937	01825	01115	00992	00632		g.	00353	00457	00381	00157	.00083	00592	02363	6+010	01076	00686		£	00360	00520	00287	\$1000.	00039	.00028	01326	01456	01113	69600'-
		<u>ج</u>	3	01587	01697	01678	01468	01873	03740	03720	03095	02866	02865	£.1	8	01690	01962	01786	01399	01281	01905	03927	02957	02721	02972	1.74	3	02143	02570	+0610	01642	94410	01489	02779	-,03100	02643	02780
	400.0000 IN. XS 20000 IN. YS 400.0000 IN. ZS	RN/L .	2	.275	49.905	98.555	148.000	199.880	293.610	400.010	601.070	801.150	989.890	RN/L .	2	1.627	48.765	649.66	150.940	200.980	301.530	402.110	599,900	798.780	999.170	RN/L .	2	940	51.214	100.110	1+9.580	199.080	298.590	400.210	601.130	300 . 380	999.830
REFERENCE DATA	2690.0000 50.FT. XHBP * 1167.00 1290.3000 INCHES YHBP * 400.00 1290.3000 INCHES ZHBP * 400.00	RUN NO. 307/ 0	×	78.	. 163	.158	<b>→60</b> .	165.	873.	. 226	₹ <del>.</del> 2.	951.	005	RUN ND. 308/ 0	×	300 . 320	300.310	300.380	300.320	300.380	300.350	300.400	300.440	300.500	300.510	RUN NO. 309/ 0	×	064.009	600.530	600.530	600.510	600.4.30	600.530	600.420	600.530	690.510	600,560
	SPEF . LREF . BPEF . SCALE .																																				

DATE 02 AUG 75

REFERENCE DATA

SPEF . LREF . BREF . SCALE .

(RTJ302) (31 JUL 75 )

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		.000 DBETA = .000	
·	• ≨	DALPHA -	•
N. XS	N. YS	N. 25	
XX - 1167.0000 IN. XS	0000	400.0000	
•	•	•	
	X TA	275	
S0.FT.	INCHES	INCHES	
2690.0000	1290,3000	1290.3000 INCHES	.0100

## FBV.1 . 1.28 RUN NO. 310/ 0

į	2	7:100.	. 00032	00424	00160	00321	00280	.00343	75700.	. 00229	.00473
;	5	S¥010.	.01085	.00589	.00572	.00724	.01237	.01845	. 02396	.02058	. 02087
3	5	00450	00530	00281	00169	00066	.00075	16200	01922	01134	01050
ĕ	5	12810 -	0-78 J	02648	01569	+0610	- 01774	02210	-,03298	02346	02666
,	•	228	50.781	98.708	143.800	200.200	300.170	400.810	600 230	798.810	999,950
,	≺	900.670	900.560	900.630	900.640	900.600	500.640	900.650	900.570	900.580	900.810

# 1A13, SPB (58) HITH PLUMES SEPARATING FROM 09710

## REFERENCE DATA

# - 1167.0000 IN. XS - .0000 IN. YS - +00.0005 IN. ZS X4486 X4486 Z44.9

# SPEF = 2690.0000 50.FT. LPEF = 1290.3000 INCHES BPREF = 1290.3000 INCHES SCALE = .0100

# PARAMETRIC DATA

(RTJ303) (31 JUL 75 )

23.000	000	000	750.000
•	•	•	•
PTOTAL	BETA	DBETA	PCH#18
4.510	000	000.	200.000
•	•	•	•
MACH	ALPHA	DALPHA	>

### RN/L . 1.74 RUN NO. 314/ 0

CYN	.01467	.01481	.01420	.61267	<b>₩</b> 8010.	.00853	00200	.00407	.00328	.00321
۲	. 025.80	.02751	. 02567	.02586	.02455	.02201	.02347	.02370	.02251	. 02041
r U	00573	00381	?.us7:	00568	0069 <b>6</b>	7 5600	01130	8+600∵-	00827	00810
S	03216	03497	03499	03386	03080	02712	02631	02889	02780	02%47
2	572	50.466	100.520	150.350	200.400	299.830	400.970	599,890	799.020	999.110
×	. <b>2</b> 02	₹.	<u>*</u>	. 242	. 236	. 258 800	.267	<u>*</u>	***	155.

(RTJ303) ( 31 JUL 75 1 1413, SAB (58) HITH PLUMES SEPARATING FROM 08710

## PARAMETRIC DATA

	29.000 .000 .000 750.000
DATA	
PARAMETRIC DATA	4,510 PT0TAL .000 BETA .000 DBETA .200.000 PCHMBR
	MACH ALPHA TO DALPHA TO Y
	xs 75 ZS
	- 1167.0000 IN. XS .0000 IN. YS - 400.0000 IN. ZS
	XMRP XMRP
REFERENCE DATA	2690.0000 50.FT 1290.3000 INCHES 1290.3000 INCHES .0100
REF	2690.0004 1290.300 1290.300

SREF -LREF -BREF -SCALE -

## FRV.L = 1.74 RUN NO. 313/ 0

×	2	8	C.H	C.	CYN
300.260	715	03111	-,00734	.03333	.01869
200.090	48.772	-,03233	-,01028	.03162	.02191
045 OOF	<b>6</b> 9.66	03427	n1222	.03581	.02163
300 280	149.800	-,03532	01200	62040.	.02419
307.1.300	200.580	03487	01352	67650.	. 02199
300.535	299.730	03661	01028	₩6020.	18410.
300.250	399.890	02943	00900	.02052	.00812
300.340	600,790	02711	01069	.02373	94400
300.410	900,690	02706	01039	.02271	.00457
300.330	999.930	02761	00661	.02173	.0027¥

### FN/L RUN NO. 312/ 0

<b>E</b>	8+800	18600.	.01258	.01283	.01387	.01 <b>896</b>	.01524	.00429	68+.00	.00355	
5	.02870	.02664	.02507	.02700	.02753	.02931	. 02673	. 02505	14120.	.02221	
<u>.</u>	00969	00982	01118	₽,01248	01322	01391	01474	00913	01120	00844	
3	02586	02792	03013	03021	03088	03941	03873	02750	02598	02787	
7	.015	50.259	100.430	150.540	200.370	300.360	399.930	598.570	799.760	999.610	
×	600.530	600.440	600.550	600.540	500.560	500.460	600.530	600.560	600.640	600.570	

## RN/L = 1.74 RUN NO. 311/ 0

CYN	.0000	.00868	68800.	.00957	.00972	.01159	.01290	92900	00+00	\$2500·
Ç	. 02358	. 02268	. 02461	.02581	.02515	. 02042	. 02027	.02163	14150.	¥6150.
C.H	00940	01121	01439	01603	01508	01135	01223	01163	01082	01004
8	03018	02304	03050	03502	03269	03373	03323	02916	02539	02721
2	320	49.583	99.759	150.220	200.150	299.950	400.420	800.340	799.890	010.666
×	900.610	900.550	900.560	900.590	900.550	900.650	900.630	900.950	900.610	900.720

(31 JUL 75)

(RTJ304)

# 1413, SRB (58) WITH PLUNES SEPARATING FROM 09110

	29.000 .000 .000 .000																																				
	<b>25</b> 25																																				
DATA	PTOTAL = BETA = DBETA = PCHMMR =																																				
PARAMETRIC DATA	4.510 .000. .000.																																				
	MACH ALPHA - DALPHA -		CAN	.00023	98000.	.00157	. 00245	.00303	.00360	.00395	.00314	.00208	.00326		CYN	.00354	.00345	.00346	.00333	++E00.	62400.	.00488	¥8¥00°	, 00254	. 00298		Š	₩2900.	.00665	.00521	.00507	.00480	.00475	.00500	. 00549	04400.	.00281
			۲	90120.	. 02927	.02777	. 02597	. 02502	. 02435	+0+20·	. 02314	. 02276	16610.		ر	. 03044	.63090	, 02970	.02865	. 02698	.02325	. 02237	.02178	. 62284	. 02069		Շ	.04069	.03969	. C3641	.03442	.03288	.02753	.02276	.02034	15150.	.02126
			5	-,00550	00547	00628	00744	00820	00962	01012	00860	00752	00871		CL	00397	00410	-, 00399	00402	00477	-,00709	00928	-,01035	+.0800	00825		S.C.	00444	00540	00641	-,00599	00528	00407	-,00533	01064	00988	007≥
		1.73	ક	02737	02756	02649	02523	02497	02472	-, 02509	-, 02692	02625	02381	1.75	8	02882	0294B	₹05934	02980	02909	02672	02492	02577	0273!	02407	1.75	ટ	02811	02940	03026	03219	03269	-,03253	02980	02489	02659	02670
	167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	RN/L .	2	089	49.902	99.822	149.860	199.520	299.460	399.490	600.480	800.280	939.680	RN/L .	2	334	50.075	100.010	150,110	200.110	300.250	400.200	600.180	799.550	989.790	RN/L -	2	120	49.794	99.834	149.910	200.000	299.990	399.820	599.820	800.120	999.930
	. 1167.0000 . 0000 . 400.0000	315/ 0	×	. 260	. 224	.215	. 197	.203	. 189	.237	.208	. 293	.370	316/ 0	×	330,300	300.320	300.330	300.330	300, 390	300.380	300.310	300.340	300.340	300.410	317/ 0	×	600.470	600.420	600.490	600.400	660.430	600.540	600.480	600.590	600.520	600.490
. ✓	XHRP YHRP ZHRP	PUN NO.												RUN NO.												RUN NO.											
REFERENCE DATA	SAEF - 2600.0000 50.FT. LAEF - 1290.3000 INCHES BREF - 1290.3000 INCHES SCALE - ,0100	Œ.												Œ												Œ											

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DATE DE AUG 75	IAI3 SOURCE DATA	DATA							ă	PA0E 367
		1A13,5R	B(S8)HIT	H PLUMES SK	1A13, SRBISBIHITH PLUNES SEPARATING FROM 09710	OH 09710		(RTJ304)	4) (31 JA.	UL 75 J
REFERENCE DATA								PARAMETRIC DATA	DATA	
SPEF = 2690.0000 SO.FT. LPEF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	XHRP • 11	1167.0000 IN. .0000 IN. 400.0000 IN.	N. XS				MACH ALPHA DALPHA .	000.004	PTOTAL BETA DBETA PCHEBR	.000 .000 .000 .000 .750
-	RUN NO. 318/	•	RN/L .	<u>.</u> .						
	×	7		8	д <b>т</b>	5	CYN			
	900.300		<u>.</u>	. 02-65 	*0900	.03022				
	000.006	_	70.167	-,02486	01425	.02780	18810.			
	900.590		150.300	02959	01606	.02721	7E 410.			
	900.560		199.970	03274	01578	.03042	.01+52			
	900.500		299.560	03357	-,01105	. 02905	.01376			
	907.620		399.610	03403	00601	. 021 34 0.885	20900			
	900.670		79.), 960	02537	01056	.02067	. 00513			
	900.700		999.860	02759	00810	. 02092	.00379			
		1A13.5R	B(£8)HIT	H PLUMES SK	IAI3,SRBICBIHITH PLUMES SEPARATING FROM 09110	10M 09110		(RTJ305)	15) (3) JAL 75	بر تا -
REFERENCE DATA	₹							PARAMETRIC DATA	: DATA	
			<b>9</b>					3	- 147010	8
SAEF = 2690,0000 SO.FT. LARE = 1290,3000 INCHES BAREF = 1290,3000 INCHES SCALE = .0100	7	403.0000 1N.	IN. XS IN. YS				ALPHA . OALPHA .	000.008	BETA	000
_	RUN NO. 319/ 0		FX/L .	5.1						
	х . 610.		z 799. 620	CN 02332	CLM 00887	CY .01 <b>699</b>	CYN . 00292			
•	RUN NO. 320/	•	PBV/L .	Ë.						
	X 300.290		z 800.020	CN 02345	CLM 0087₽	CY .01918	CYN . 01)288			
•	RUN NO. 32:	C	PN/L -	1.75						
	800.500		2 199.870	CN 02396	CLM 00872	.01 <b>9</b> 00	CYN . 001 <b>80</b>			
	RUN NO. 322/	0	RN/L .	67.1						
	900.580		2 789.940	CN 0248	CLM 00817	CY .02162	CYN . 00168			

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(RTJ306) (31 JUL 75

	. 000 . 000 . 000 . 1500 . 000																																				
: DATA	PTOTAL BETA CBETA PCHMBR -																																				
PARAMETRIC DATA	0000																																				
•	HACH - ALPHA - DALPHA - Y		CYN	.00351	.0029⁴	. 00153	.00006	00118	92510	.00825	.00681	.00637			CYN	. 00822	.00548	65000.	00188	00304	.00075	.01116	₩6900.	.00754	.00705		Z	. 00722	. 00847	. 00450	00027	00237	00208	96,00.	.00556	S0700.	84400.
			ò	.01767	.01704	.01606	.01405	.01673	03607	.02883	05820	.02703		ŧ	Շ	. 02274	.01939	.01595	.01312	.01397	.01797	.03057	. 02901	. 02830	61620.		Շ	. 02059	. 02536	.01665	96010.	-01312	.02137	¥6.4%0.	.03149	17750.	.02797
			E T	01289	01132	00787	00354	00305	07600 I	01933	01648	01542			C.	00435	00647	-,00656	00372	00290	00439	02225	01992	01698	01657		S.	0076₩	<b>-</b> .00998	00476	.00056	00197	00434	01295	02404	01717	01663
		£	ક	02454	02769	02027	01715	01536	- 04638	-,03343	03259	03013	<u>1</u>	)	Š	02441	02529	01745	01395	01458	02015	03728	03340	03419	03264	57.1	8	02341	03041	02013	02173	01908	01481	02287	03700	03348	03288
	2X .N1 0000.001. YS .N1 0000.004	RN/L .	2	007	49.858	100.070	150.230	200.610	400.020	599.900	799.970	1000.100	BN/L	•	2	179	47.807	98.986	151.900	202.030	299.810	401.850	599.930	799.990	999.750	FBV/L	7	5, 5, -	51.615	99.917	149.260	199.690	299.230	399.120	600.150	800.740	999 . 090
	YHRP = 1167,0300 YHRP = ,0000 ZHRP = +00.0000	AUN NO. 323/ 0	×	.323	. 369	255 5	115.	/ U.S.		200	<b>79</b> 1.	670	RUN NO. 324/ 0		×	300.180	300.280	300.400	300.300	300.310	300.400	300.210	300.550	300.480	330.510	RUN NO. 325/ 0	×	600.640	600.510	600.460	600.410	600.550	800.540	600.450	600.380	600.570	600.530
PEFERENCE DATA	SAEF = 2690,0000 SQ.FT. LAEF = 1290,3000 INCHES : SCALE = .0100	5											73.													<b>3</b> 28											

DATE DE AUG 75

	29.000 .000 .000 .000												
DATA	PTOTAL BETA BETA PCHEIBR B												
PARAMETRIC DATA	0000.												
•	MACH ALPHA - DALPHA - Y		CYN	. 00320	. 00320	. 00210	00217	00278	00289	.0016	.01162	. 00652	.00748
			5	.02718	. 02382	.01696	01410.	19410.	94610.	. 02241	.03950	.02574	.02746
			£	+1800	009+3	00917	0035!	00254	00230	00746	03483	01796	01687
		<u>5</u>	ક	01824	01677	03102	01904	01998	01926	02082	05228	03165	03275
	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	RN/L .	~	.007	49.913	100.300	149.550	199.650	300.300	400.340	602.500	799.940	049.666
		. 326/ 0	×	900.700	900.670	900.580	900.530	900.590	900.610	900.600	900.590	900.730	900.720
<b>4</b>	ZHES ZHES ZHES	RUN NO.											
REFERENCE DATA	2690,0000 90.FT. 1290,3000 INCHES 1290,3000 INCHES												
	SPEF . LREF . BREF .												

## 1A13, SRB (SB) WITH PLUMES SEPARATING FROM 09TIO

(RTJ307) (31 JAL 75 )

	29.000 .000 .000 .000	
DATA	ALPHA	
PARAMETRIC DATA	\$.510 .000. 200.005	
	MACH ALPHA BOALPHA T	
	S) Ri Si	
	XMAP = 1167.0000 IN. XS YMAP = .0000 IN. YS ZMAP = 400.0000 IN. 2S	
. <	XHERP YHERP ZHERP	
REFERENCE DATA	590.0000 SQ.FT. 290.3000 INCHES 290.3000 INCHES	
	SPEC	

### RN/L - 1.76 RUN NO. 379/ 0

CYN	01810.	87610.	.01778	.01684	.01600	\$1510.	5010.	.0805	.00567	.00605
5	.03875	.03556	.03792	.03851	. 03641	.03208	.03023	.03073	.03046	02833
G.	01135	01231	01201	01565	01730	01630	01799	01761	01686	. 01554
S	04353	04233	04242	-,03999	03624	03429	03446	03520	03452	-,03162
2	-1.155	50.344	101.010	150.780	200.810	301.579	400.940	599.900	799.920	929 930
×	. 239	.301	.211	970.	.121	.175	1.08	.336	.235	2

### (RTJ307) ( 31 JUL 75 )

	29.000	000	000	200.000
<b>C</b>	. 4.510 PTOTAL . 29.000	9ETA •	08ETA -	PCHFBR = 1
PARAMETRIC DATA	4.510	000.	000.	200.000
	- HACH	ALPHA -	DALPHA -	• -
	SX .	YS	7.5	
	1167.0000 1N	NI 0000.	ZHRP - 400.0000 IN, ZS	
		,		
<	SE X	Y	ZHERP	: •
REFERENCE DATA	2690.0000 SQ.FT.	INCHES	NCHES	
		•	•	•
	5	9	j	SCALE

RN/L - 1.76

RUN NO. 329/ 0

CYN	. 02341	. 02562	.02653	. 02619	. 02450	. 02600	.01313	.00739	.00727	₩8900.		CYN	.01365	.0102	86800.	.01061	.017:6	. 02056	. 02517	C+700.	51700.	60200.
ბ	.03565	60140.	96440.	.04796	.04728	.04478	.02876	.03158	.03015	. 02876		ბ	.03652	. 02392	.02250	.02490	.03696	.04352	.04625	.03095	. 02942	. 02873
נרא	01442	01669	01777	02046	02215	02535	01891	01763	01765	01585		S.	01467	01330	01333	01321	01875	02563	n3010	01651	01752	01710
3	04038	- 9163	65150	1+0+0 -	1-040-	04134	03447	-, 03496	03427	03323	1.76	ક	03647	03114	0276!	- 02563	03172	04147	-,04923	03177	03401	03330
Z	. 945	49,150	99.874	149.590	199.700	299.960	400.060	600.500	801.330	1000.500	RN/L -	2	.030	50.261	100.310	150.180	200.720	301.270	400.850	599.860	799.240	999.250
×	300.330	300.360	300.290	300.320	300.390	300.250	300.300	300.340	300.430	300.330	RUN NO. 328/ 0	×	600.450	600.500	800.5±0	600.590	600.570	600.520	600.430	600.820	600.470	069.009

- J/W

RUN NO. 327/ 0

CYN . 01438 . 00027 . 00181 . 01151 . 01151 . 01046 . 00719

-.01170 -.01271 -.01682 -.01682

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PAGE 372

(RTJ308) (31 JUL 75 )

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REFERENCE DA'	DATA							PARAMETRIC DATA	C DATA	
SAEF - 2000.0000 SO.FT. LREF - 1290.3000 INCHES BREF - 1290.3000 INCHES SCALE0100	84 X	1187.	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH - ALPHA - DALPHA -	000.000 000.000	PTOTAL - BETA - OBETA - PCH4BR -	20.000 .000 .000 .000
•	FLN NO.	334/ 0	RN/L -	1.71						
		×	2	ક	5	ò	CAN			
	<b>a</b>	064.008	.33	-103714	01622	0397≥	01624			
	CD ·	900.720	50.213	03928	01561	.03891	.01828			
	on (	900.610	100.270	03867	01916	.03936	.01895			
	on o	900.640	150.200	04103	01952	95850.	7.00			
	סית	900.760	200.150	10440.1	+. UC1UD	CCB50.	11810.			
	b G	300.700	300 610	10 C 10 -	60000	01.150	33,10.			
	n d	900 750	599.010	- 03167	- 01617	P1 P20	79200			
	o	900.530	800.060	03254	01589	102891	.00670			
	Ō	900.730	969.760	03361	01697	.02808	.00703			
		¥	3,5R8(58)WI	TH PLUMES S	IAI3,SRB(SB)HITH PLUMES SEPARATING FROM 09110	70H 09T10		(RTJ309)		(3) 34,75)
REFERENCE DATA	₹.							PARAHETRIC DATA	DATA	
• •							MACH .	016.4	PTOTAL • BETA •	<b>29.000</b>
BREF = 1290.3000 INCHES SCALE = .0100		- 200 ·	400.0000 IN. ZS				DALPHA -	000°.	DBETA -	.000 1500.000
œ	PUN NO.	335/ 0	- 7/NB	57.1						
		x 671	2 077.997	CN 03055	CLH 01687	CY .02633	CYN . 00580			
æ	PEN NO.	336/ 0	FRVL -	1.76						
	<b>A</b>	X 300.490	2 799.700	CN 03150	CLM 01650	CY .02642	CYN .00567			
•	<b>35 16</b> .	337/ 0	PN/L .	1.70						
	ŏ	X 600.550	2 800.110	CN 03282	CLM 01622	CY . 02 <b>6</b> 75	CYN . 00506			
Œ	R NO.	338/ 0	BN/L -	1.76						
	ă	X 900.530	2 799.870	CN 03410	CLH 01577	CY . 02807	CYN .00520			

(31 JAL 75

(RTJ310)

### IAI3, SPB (SB) HITH PLUMES SEPARATING FROM USTIO

ATA  XHEP = 1167,0000 IN, XS  YHEP = ,0000 IN, YS  ZHEP = ,000,0000 IN, ZS  ZHEP = ,000,0000 IN, ZS  ZHEP = ,000,0000 IN, ZS  194 ,084 -,01677  263 50,012 -,0187  372 100,070 -,01424  373 150,246 -,01754  373 300,120 -,01754  374 99,467 -,01754  300,330 49,824 -,01754  300,330 49,824 -,01758  300,330 49,824 -,01758  300,330 49,824 -,01758  300,300 49,824 -,01758  300,200 152,170 -,01753  300,200 299,465 -,01536  300,200 299,600 -,02665  XX Z CN  300,200 299,600 -,02665  300,200 299,600 -,02665  XX Z CN  300,200 299,600 -,01753  300,500 299,150 -,01974  600,500 199,150 -,01236  600,500 199,150 -,01236  600,500 199,350 -,01236  600,500 199,350 -,01329  600,500 290 199,350 -,02691  600,500 290 399,610 -,02691  600,500 290 399,610 -,02637	PARAMETRIC DATA	MACH - 4.520 PT07AL - 58.000 ALPHA000 9ETA000 DALPHA000 CBETA000 Y000 PC446R - 1500.000		CLM CY CYN	00788 .00810 .00381	00718 .00581 .00172	00387 .00507 .00170	00352 .00756 .00288	-,00613 .01281 .00568	.02314		01174 .01850 .00581	01970	00757 .01858 .00207	¥	Z Z	17200. 771	99*00	21,00	.00415	.00387	.01163	.02538	. 02005	01885 .01791 .00517	00830 .01896 .00333		CLM CY CYN	00371 .00748 .00361	65500.	•		0008v .0057000385	00016 .0088200209	.01957	01458 .02242 .00380	\$0\$00. B\$810. 05510'-
RUN NO. 340, 1030  RUN NO. 340, 093  RUN NO. 340, 093  RUN NO. 340, 093  RUN NO. 340, 093  RUN NO. 340, 093  RUN NO. 341, 0					01677	01667	*2+10'-	01320	0175₩	-,03240	-,03752	02867	02693	02669			89410	01768	96210	01239	01149	01753 -	03568	02836	02632	+7750			₹610	02154	01715	01467	01236	01329	02647	02991	95.50
	REFERENCE DATA	1167	339/ 0		<u>.</u>										340/0		)	*						-		-	0 /1#6										

i 31 JAL 75 1

(RTJ310)

14:

9-REF = 1290.0000 50.FT, NYRP = 1167.0000 IN. XS  SCALE = 1290.3000 INCHES	REFERENCE DATA	TA							PARAMETRIC DATA	C DATA	
### NO. 342. ### NO. ### NO. 342. ### NO. ### NO. 342. ### NO. 342. ### NO. 342. ##	3.0000 SQ.FT. 3.3000 INCHES 3.3000 INCHES	X + 480 2 + 480	• • •		<b>ທ</b> ທ ທ			MACH ALPHA DALPHA	. 550 . 000 . 000 . 000	PTOTAL BETA BETA BETA BETA BETA BETA BETA BETA	58.000 .000.
## 2690.060  900.65  9		FC 10		Pav/L	3.49						
### PROFINE DATA  #### REFERENCE DATA  ##################################			×	7	₹	£	Շ	CYN			
### PROFERENCE DATA  #### REFERENCE DATA  ##################################			900.690	₹.	01780	94400	.00853	92100.			
## 2690.505  ## 2690.000  ## 2690.0000 \$0.FT, XMSP = 111  ## 1290.3000 INCHES XMSP = 111  ## 1			900.600	51,358	•.0≥038	00512	£6400.	₩2000			
## PEFERENCE DATA  ## 2690.0000 \$Q.FT. XYRR = 113  ## 1290.3000 INCHES YYRR = 113  ## 1290.3000 INCHES ZYRR = 113  ## 1290.300			900.560	97.661	02638	00407	64100.	00412			
#EFERENCE DATA    REFERENCE DATA			900.660	149.680	01386	00238	.00285	00153			
900.53 900.54 900.55 900.55 900.55 900.55 900.55 900.55 900.50 900.55 90			679.006	200.260	01725	00133	.00401	00306			
### PREFERENCE DATA    REFERENCE DATA			900.590	300.300	01697	94000.	.00957	00258			
900.55 907.56 907.55 90			900.610	401.840	02200	00963	.01727	80+00.			
907.63 907.56 PEFERENCE DATA  2690.0000 \$0.FT. XHRP = 111  1290.3000 INCHES YHRP = 111  1290.3000 INCHES ZHRP = 111  1290.3000 INCHES ZHRP = 111  110.111  1			900.550	600.220	03311	02052	.02194	.00759			
### PEFERICE DATA  ### 2690.0000 \$Q.FT. XHSP * 111  ### 1290.3000 INCHES ZHSP * 4  #### 1290.3000 INCHES ZHSP * 4  #### 1290.3000 INCHES ZHSP * 4  #### 1290.3000 INCHES ZHSP * 4  #### 1290.3000 INCHES ZHSP * 4  #### 1290.3000 INCHES ZHSP * 4  ##### 1290.3000 INCHES ZHSP * 4  ##### 1290.3000 INCHES ZHSP * 4  ##################################			900.630	797.720	02300	01230	.01897	.00279			
# 2690.0000 \$Q.FT. XHRP = 111 # 1290.3000 INCHES YHRP = 4 # 1290.3000 INCHES ZHRP = 4 . 0100  RUN NO. 3467  X			90).560	999.740	02542	01163	17710.	. 00502			
■ 2690.0000 \$Q.FT. XMPP ■ 1167.0000 IN. XS ■ 1290.3000 INCHES XMPP ■ 00000 IN. YS ■ 1290.3000 INCHES ZMPP ■ 400.0000 IN. ZS  E ■ 0100  RUN ND. 346/ 0 FN/L ■ 3.47  X Z CN  151 -1.11803139  152 50.69703341  117 100.99003340  1186 150.97003216  229 401.89002538  229 401.89002538  234 8 559.97002538  249 990.05002535	REFERENCE DAT	₹							PARAMETRIC DATA	: DATA	
* .0100  **	.0000 SQ.FT. .3000 INCHES .3000 INCHES	XMRP YMRP ZMRP	1167.		<b>15</b> (\$ -5			MACH ALPHA DALPHA	4.520 .000	PTOTAL • BETA • DBETA •	58.000 .000 .000
X Z CN 151 -1.11803139 152 50.69703341 117 100.99003370 186 150.97002316 239 201.05002216 234 300.1400268 234 401.89002632 348 599.97002635 219 998.05002635	.0100							• >-	200.000	PCH#BR .	1500.000
2 CN 1.51 -1.11803139 1.152 50.69703341 1.17 100.99003370 1.295 150.97002341 1.297 300.14002628 1.294 401.89002638 1.294 999.97002636 1.294 999.97002636	•	Š.		FR/L	3.47						
-1.11803139 50.69703341 100.99003370 150.97002947 300.14002628 401.89002532 599.97002636 998.05002636			×	7	3	<b>.</b>	Շ	C			
50.69703341 100.99003370 150.97003216 201.05002947 300.14002628 401.89002532 599.97002636 999.05002636			151	-1.118	03139	00726	0440	.01527			
150.99003370 150.97003216 201.05002947 300.14002628 401.89002532 599.97002535 998.05002352			<u>.</u>	50.697	03341	00691	.02411	46410·			
150.97003216 201.05002947 300.14002528 401.89002532 599.97002737 799.85002352			.117	100.990	03370	00665	.02169	.01422			
201.05002947 300.14002628 401.89002532 599.9700253 799.85002636			8	150.970	03216	00671	.02120	.01251			
300.14002628 401.89002532 599.97002771 799.85002636 998.05002352			. 239	201.050	02947	00813	.02056	.01052			
401.89002532 599.97002771 799.85002636 998.05002352			ž.	300.140	02628	¢1092	.01882	. 00823			
599.970 02771 799.850 02636 998.050 02352			ğ,	<b>4</b> 01.890	02532	01232	. 02015	.00580			
799.85002636 998.05002352			3+8	599.970	02771	01018	77050.	+0+00.			
998,05002352			<b>S</b>	799.850	02636	16600	08610.	11E00.			
			619.	999.050	02352	00930	.01790	.00303			

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(RTJ311) (31 JUL 75 )

### 1413, SPB (58) MITH PLUMES SEPARATING FROM 09710

	58.000 .000. 000.				
: DATA	PTOTAL - BETA - DBETA - PCHMBR -				
PARAMETRIC DATA	4.520 .000 .000 .000				
	MACH AL-MA OALPHA Y	CYN . 01991 . 02174 . 0220 <b>5</b>	.05250 .05250 .01457 .00828 .00435	CYN .00874 .01001 .01230 .01245 .01245 .01275 .00429 .00429	CYN . 00806 . 00798 . 00904 . 00955 . 0 1 73 . 0 1 209 . 00654 . 00426
		CY .03019 .02905	.03762 .03655 .01586 .01756 .02107 .01941	CY .02649 .02322 .01334 .02550 .02550 .02552 .02552	CY .02247 .02203 .02413 .02366 .02164 .01990 .01935 .01874
		CLM 00880 01174 01276	- 01294 - 01341 - 01109 - 00996 - 01131 - 01155		CLM 01003 01211 01493 01498 01498 01611 01211 01211
		3.47 CN 02942 03148	03285 03407 03475 02667 02610	3.47 CN 	3.47 CN CN - 02952 - 02752 - 03503 - 03567 - 03567 - 03567 - 03567 - 03567 - 03567 - 02563
	167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	2 2 -1.417 47.925 98.430	201.510 201.510 299.970 400.060 601.270 801.320	7 .056 50.624 100.550 200.510	RN/L • 7 • 656 49 147 99 350 150 670 199 760 2990 970 660 450 9990 9999 9999 9999 9999 9999 770
DEFENDENCE NATA	- d842	RUN NO. 345/ 0 X 300.440 300.390	300.210 300.220 300.273 300.240 300.320 300.420	RUN NO. 344/ 0  X 600.370 600.370 600.510 600.510 600.620 600.620	RUN NO. 343/ 0  X 900.570 900.650 900.650 900.450 900.660 900.660 900.740 900.740

IAI3 SOURCE DATA

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(RTJ312) (31 JJL 75 )

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PARAMETRIC DATA	20 PT0TAL • 58.000 00 BETA • .000 00 DBETA • .000 00 PCH*BR • 1500.000																																			
PARAHET	MACH . 4.520 ALPHA000 DALPHA000 Y		CAN	.0001	5,000.	.00135	.00228	.00283	. 00344	.00382	.00342	*1200·	. 00323		CYN	.00328	.00326	.00315	.00295	.00322	S++00.	62+00.	.00489	.00287	. 00293		CAN	.00517	.00591	£6500·	. 00559	.00535	<b>28</b> +00 ·	.00468	. 00528	.00428
			5	.02816	. 02645	.02484	.02288	. 02232	.02177	. 02139	.02026	. 02032	.01759		Շ	. 02873	₩9820.	.02746	. 02550	.02484	. 02056	₩0020.	.01907	. 02035	.01814		Շ	.03759	.03562	.03331	.03175	.03008	.02561	. 02122	٠١6١٥.	7.810
			ਨੂ ਜ	00691	00672	00751	00858	00927	01060	01104	01005	00873	01004		CL	00486	00516	00520	00523	+6500.−	00831	01026	01132	00980	+5600'-		5	00692	00707	+1600	0068¥	00835	00573	00634	01190	01133
		3.47	3	02655	02715	-, 02622	02473	02430	02388	02434	-, 02596	02525	02272	3.47	ક	02889	<b>→</b> .02904	02925	02958	-, 02930	02506	02441	02501	02606	02337	3.47	ક	02976	03004	03107	03111	03215	03122	02940	02449	02548
	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	RN/L .	2	133	49.754	99.855	149.590	198.930	299.000	399.860	600.980	900.760	999.230	RN/L -	7	.077	50.075	100.180	150.470	200.280	300.520	400.430	600.220	799.170	999.410	PN/L .	2	039	49.914	99.871	149.800	200.120	300.046	399.940	600.000	800.430
	YHRP = 1167,0000 YHRP = .0000 ZHRP = 400.0000	RUN NO. 347/ 0	×	197	. 133	. 262	. 103	115.	<u>.</u>	160	692.	673.	S+4.	RUN NO. 348/ 0	×	300.430	300.320	300.280	300.350	300.310	300.340	300.420	300.320	300.450	300.430	RUN NO. 349/ 0	×	600.450	600.410	600.470	600.490	600.480	600.540	630.530	600.620	600.430
REFERENCE DATA	SAEF - 2690.0000 SQ.FT. LREF - 1290.3000 INCHES BREF - 1290.3000 INCHES SCALE0100	Œ												æ												æ										

DATE DE AUG 75	AUG 75	[A]	IAI3 SOURCE DATA	<						a.	PAGE 377
			IAI	3,598(58) WI	TH PLUMES S	1413,SRB(SB)HITH PLUMES SEPARATING FROM 09110	ROM 09110		(RTJ312)	12) (31 JAL	JUL 75 1
	REFERENCE DATA	Y.							PARAMETRIC DATA	C DATA	
SPEF	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES 0100	XX-FRP YYFRP ZYFRP	• • •	1187.0000 IN. %S .0000 IN. YS 400.0000 IN. ZS	16 10 10			MACH ALPHA DALPHA T	. 520 . 000 . 000 . 000	PTOTAL BETA OBETA PCHEBR	58.000 000.000 1500.000
		PEN NO.	. 350/ 0	RN/L	3.47						
			X 000	2	אַט -	CLM - 00896	CY 03034	CYN			
			900.640	50.220	B2.50	01111	. 028'11	E++10.			
			900.650	100.530	02497	0149	.02784	.01365			
			900.740	150.330	02762	01674	.02899	.01405			
			900.660	200.140	03233	01678	.02939	07510.			
			900,710	299.040	-,03294	.,01199	.02550	.01323			
			900.760	399.360	0337B	0.000	06810.	#1700.			
			900.550	599.870	1.02457	01048	19410	50900			
			900.730	999.750	02617	72500	80610	04800			
								) )			
			IAI	3,548(58)WI	TH PLUMES S	IA13,5RB(58)WITH PLUMES SEPARATING FROM 09710	30M 09710		(RTJ313)	(3) (31 JAL	JL 75 1
	REFERENCE DATA	7							PARAMETRIC DATA	C DATA	
	2690.0000 SQ.FT.	84 X	1187	1167.0000 IN. XS				KACH M PHA	4.520	PTOTAL -	58.000
BREF -	1290.3000 INCHES	24.2	100	400.0000 IN. ZS				DALPHA •	000.009	DBETA •	1500.000
	_	RUN NO.	. 351/ 0	RN/L	97.E						
			x 736	Z 799.500	CN 02233	CLM 01009	CY .01683	CYN . 00304			
		SC NO.	. 352/ 0	RB4/L .	3.48						
			X 300.4±0	2 799.870	CN 02240	CLM 00998	CY .01701	CYN .00317			
	-	ACN NO.	. 353/ 0	FN/L -	3.48						
			X 800.520	Z 798.990	CN 02269	CLM 00992	CY .01778	CYN .00201			
	-	₹ ¥0.	354/ 0	PN/1.	3.48						

CYN 00130

CY .01860

CLM -.00946

CN -.02376

**2** 759.900

X 900.620 ( 31 JUL 75 )

# (RTJ314)

PARAMETRIC DATA	4.530 PTOTAL = 110.000 .000 BETA = .000 .000 OBETA = .000 .000 PCH4BA = :500.000																														
a.	HACH ALPHA • DALPHA •	Č.	.00806	.00423	00887	20800.	.00281	.00062		CYN	-,00027	00259	94100	E 000 -	.00532	.01033	.00197	.00263	. 00058		CYN	1.00671	.00361	00425	13200.	00345	.00061	.00650	.00274	£1£00.	51100.
		Շ	.00491	0100.	86900.	10110.	68010.	<b>49010</b> .		5	00373	00420	00475	#6600	.00855	.01584	.01308	.01052	.01135		Ç	.0010.	. 00%92	00301	00269	₹0200	.00536	.01181	96+10.	£+600°	.01135
		ž	00472	00221	96700	01320	00587	00207		3	00461	00355	00168	20000 ·		01749	00579	00651	00103		r,	01379	01166	00239	60000	. 00220	00226	01236	00863	00792	++200
		\$ Z	01256	00933	1110	-,02196	01953	02053 01684	<b>9</b>	z	01358	01489	01260	10000	6771C.1	02488	02036	01749	02113	6.59	z	02747	-, 02593	01360	00827	00782	01067	~.61938	02439	01592	02112
•	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	RBN/L =	900	99.952	199.410	400.980	599.780	799.790 999.240	- JUNE	7	014	197.84	98.388	028.161	298.950	398.970	600.170	797.160	997.570	RN/L	2	1.42¥	50.251	100.960	1+9.060	200.020	300.480	399.58v	603.450	800.730	1000 . 100
<u> </u>	1167 17879 = 1167 17879 = 4000	RUN HO. 355/ 0	٠ واج.	350	170.	107	680.	. 201 1949	RUN NO. 356/ 0	×	300.320	300.430	300.300	300.290	000 - 00E	300.290	301.000	300.390	300.580	RUN NO. 357/ 0	×	650.470	600.290	600.470	600.540	500.540	600.590	600.250	600.430	6/0.510	600.530
REFERENCE DATA		Œ.							ď											•											

### IAI3, SPB (SB) WITH PLUMES SEPARATING FROM 09710

(RTJ315) (31 JUL 75 )	PARAMETRIC DATA	MACH - 4.530 PTOTAL - 110.000 ALPHA000 BETA000 DALPHA000 DBETA000 Y 5.000 PCHPBR - 1500.006
1A13, SAB (SB) WITH PLUNES SEPARATING FROM 09710	REFERENC" DATA	SAEF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN. XS  LREF = 1290.3000 INCHES YMRP = .00000 IN. YS  BREF = 1290.3000 INCHES ZMRP = 403.0000 IN. ZS  SCALE = .0100

51.4520107400568002020056200202005610056200202005620020200562002020056200202003610056200202003610056200202003620036200362003620036200362003620036200362003620036200362003620036300363002810057300213002610057300037001190057300067	358 / 0 × 138
009150022200022 010250027900017 014790086200850 031650181901965 02059012590097 019180057301049 020340031401139	EU.
0147900862 .00850 0316501819 .01965 0205901259 .00977 0191800573 .01049 0203400314 .01139	5 5 5
0316501819 .01965 0205901259 .00977 0191800573 .01049 0.203400314 .01139	199
020590125900977 019180057301049 0.2034003140139	300
0191800573 .01049 0.203400314 .01139 0181801811	₹00
-,02034 -,00314 ,01139 -,01918 -,00211	29
01000211 .01073	799
	930

		·			·	•			66100. 88210.		
		•	•	·	•	•					
		•	•	•		•	•	•	00568	'	•
6.61	8	01362	01461	01173	00821	00709	01529	02482	02017	01732	02100
RN/L.	2	. 02 <b>9</b>	49.743	98.950	152.100	202.570	299.060	398.900	800.220	797.190	997.650
HUN NO. 359/ 0	×	300.320	300.350	300.390	300.370	300.280	300.170	300.270	301.040	300.460	300.550

CYN	-0053¢	.00350	0042¥	7.500.	00351	.00105	.00677	.00265	.00320	11100.
Շ	.00720	.00422	00340	00301	00223	.00573	.01168	97410.	.00960	.01135
٦ 2	01287	01077	00232	00025	.00220	00278	01242	00936	00787	00232
Š	02573	02586	01303	00815	00824	01124	01966	02408	01574	0208₩
2	. 835	50.167	100.850	149.220	199.970	300.410	399.640	603.270	800.820	1000, 100
×	600.380	600.320	600.480	600.570	600.460	600.610	500.190	600.440	600.480	600.520

RN/L = 6.51

RUN NO. 350/ 0

(RTJ316) ( 31 JUL 75 ,

PARAMETRIC DATA

### REFERENCE DATA

2690.0000 SU.FT. XYPP = 1167.0000 IN, XS ALPHA + 0000 BETA = 1296.3000 INCHES YHPP = 0000 IN. YS	- 110.	
MACH • ALPHA •	PTOTAL	BETA
	4.530	000
	•	•
0.0000 \$3.FT, XJF8P = 1167.0000 IN, XS 6.3000 INCHES YHF8P = .0000 IN, YS	HACH	ALPHA
10.0000 SQ.FT. XHBP = 1167.0000 IN. XS 6.3000 INCHES YHBP = .0000 IN. YS		
10.0000 SJ.FT. XYRP = 1167.0000 IN. XS 16.3000 INCHES YHRP = .0000 IN. YS		
10.0000 SQ.FT. XHRP = 1167.0000 IN. XS 16.3000 INCHES YHRP = .0000 IN. YS		
10.0000 SQ.FT. XMRP = 1167.0000 IN.		
10.0000 SQ.FT. X049P = 1167.0000 G.3000 INCHES YMPP = .0000	SX.	YS
10.0000 SQ.FT. XMRP = 16.3000 INCHES YMRP =	IN. XS	IN. YS
10.0000 SQ.FT. XHRP 16.3000 INCHES YHRP	1167.0000 IN. XS	.0000 IN. YS
10.0000 SQ.FT.	- 1167.0000 IN. XS	0000 IN. YS
	XX40P = 1167.0000 IN. XS	YYPPP = .0000 IN. YS
	2690.0000 SQ.FT. XMPP = 1167.0000 IN. XS	1296.3000 INCHES YMPP = .0000 IN. YS

SREF • 2690.0000 SQ.FT.	92 S	1167.	1167.0000 IN. XS	10 11			MACH .	4.530	PTOTAL =	110.000
1290.3000 1290.3000	<b>GB4</b> 2		ĖĖ				DALPHA -	0000.01	08ETA •	.000
•	RUN NO.	361/0	RN/L =	8.62						
		×	7	8	5	Շ	CYN			
		176	-1.013	31165	00348	. 00080	00003			
		. 170	51.051	01010	-, 00438	00184	.00342			
		Š.	100.270	00853	00270	00150	. 00352			
		.486	151.030	01106	00378	. 00268	**S00.			
		.09 <b>5</b>	199.470	01597	00977	.01129	.01088			
		-, 113	300.300	03274	+6810' <del>-</del>	. 02176	.01563			
		081	400.580	02000	-,01199	04600.	60200.			
		.218	599.850	01950	00572	.01095	. 00281			
		<u>.</u> .	799.870	02053	00308	.01160	71100.			
		564	959.160	01827	00226	.01032	. 00072			
u.	PEN NO.	362/ 0	FN/L	<b>6</b> .62						
		×	7	Š	£	Շ	<b>Z</b>			
		300.400	.003	01417	00538	00547	00187			
		300.390	49.976	01416	00321	00619	00380			
		300.350	98.430	01135	00092	00511	00177			
		300.410	151.920	00946	.000S	00508	00016			
		300.360	139.770	00738	00032	00228	.00037			
		300.160	298.840	91670	00861	.0102	.00671			
		300.190	399.050	02587	01803	.01700	.01075			
		300.830	600.260	02020	00569	.01307	.00500			
		300.470	797.020	01768	00536	.01050	.0026¥			
		300.450	997.710	02099	00100	.01113	+5C00·			
uz.	FE NO	363/ 0	FN/L	<b>6</b> .62						
		×	2	8	ž	7	CYN			
		344.008	422	02461	01175	.00581	70500			
		900.490	50.038	02527	19600'-	90400	.00336			
		600.440	101.000	01269	00202	10100-1	00423			
		600.480	149.130	00799	00058	00327	00346			
		600.600	200.050	00879	.00203	00223	00351			
		600.650	300.440	01274	00377	.00698	16100.			
		600.280	399.800	02000	01248	.01162	91700.			
		500.560	603.050	02372	00822	.01477	. 00257			
		600.530	800.780	01592	00784	09600'	.00324			
		600.620	1000.300	₹6020 '-	00231	14.10.	S1100.			

	XH48 = 1167,0000 IN, XS HACH = 4,530 PTOTAL = 110 YH88 = ,0000 IN, YS ALPHA = ,000 BETA =	A - 110 88 - 1500 131 ML 7	25 2 2 2 2 2 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4		01142 01090 00805 00495 00495	02659 02386 01394 01827	999.730 999.730 999.730 999.730	900.56
HACH - 4,530 PTOTAL -		TRIC DATA	PARAME					
XMSP = 1167,0000 1N, XS	ATA PARAMETRIC DATA							
ATA	ATA PARAMETRIC DATA	(3) AL	Ë	30H 09TI0	PARATING FR	H PLUMES SE	, SRB(S8)WI	141
IAI3,SRB(SB)WITH PLUNES SEPARATING FROM 09710 (RTJ317) (31 JUL 7  ATA  XONEP = 1167,0000 IN, XS  YMRP = ,0000 IN, YS  ALPHA = ,0000 BETA = 1167	IAI3,SRB(58)WITH PLUMES SEPARATING FROM 09710 (RTJ317) (31 JUA		<b>6</b> +200°	++010·	€6+00°-	01827	999.730	900.650
900.650 999.7300182700495 .01044 .00249  IAI3,SRB(SB)WITH PLUMES SEPARATING FROM 09710  ATA  XMRP = 1167,0000 IN, XS  WMRP = .0000 IN, YS  ALPHA = .0000 BETA = .	900.650 999.7300182700495 .01044 .00249  IAI3.SRB(SB)MITH PLUMES SEPARATING FROM 09710  PARAMETRIC DATA		916.0	.01169	00805	01394	797.170	900.580
900.580 797.1700139400605 .01168 .0.218 900.650 999.7300182700495 .01044 .00249  1A13,SRB(S8)WITH PLUMES SEPARATING FROM 09710 (RTJ317) ( 31 JJL 7  ATA  XMRP = 1167,0000 IN, XS HACH = 4.530 P707AL = 1107  YMRP = .0000 IN, YS ALPHA = .000 BETA = .	900.580 797.1700139400805 .01169 .0.218 900.650 999.7300182700495 .01044 .00249 1A13,SRB(SB)MITH PLUMES SEPARATING FROM 09710 (RTJ317) (31 JU		.00379	.01357	01090	-,02386	596.980	900.560
900.560 596.9800238601090 .01357 .00379 900.580 797.1700139400805 .01168 .0.218 900.650 999.7300182700495 .01044 .00249  IA13,SR8(58)WITH PLUMES SEPARATING FROM 09710 (RTJ317) ( 31 JJL 7  ATA  XOMEP = 1167,0000 IN. XS HACH = 4.530 PYOTAL = 1107 ATA  YMRP = .0000 IN. YS ALPHA = .000 BETA = .	900.560 596.9800238601090 .01357 .00379 900.580 797.1700139400805 .01168 .0.218 900.650 999.7300182700495 .01044 .00249 1A13,SRB(SB)WITH PLUMES SEPARATING FROM 09710 (RTJ317) (31 JU		66900.	.01549	01142	02659	402.700	900.570
900.570	900.570		.00459	. 00559				
900.540 299.6900166300499 .00559 .00459 900.570 402.7000265901142 .01549 .00699 900.550 596.9800238601090 .01357 .00379 900.580 797.1700139400805 .01168 .0.218 900.650 999.7300182700495 .01044 .00249  ATA  ATA  ALMA - 4.530 PYOTAL - 1107 ALMA - 0000 1N. YS ALMA - 0000 8ETA - 1107	900.540 299.6900166300499 .00559 .00459 900.570 402.7000265901142 .01549 .00699 900.550 596.9800238601090 .01357 .00379 900.560 797.1700139400805 .01168 .0.218 900.650 999.7300182700495 .01044 .00249 IAI3,SR8(58)WITH PLUMES SEPARATING FROM 09710 (RTJ317) ( 31 JUL		00487	00211	66400 -	01663	299.690	900.540
900.730 199.250011620010100487 900.540 299.6900166300199 .00559 .00459 900.570 402.7000265901142 .01359 .00699 900.550 402.7000238601090 .01357 .00379 900.560 797.1700139400805 .01169 .0.218 900.650 999.7300182700495 .01044 .00249  IAI3,588(58)WITH PLUMES SEPARATING FROM 09710 (RTJ317) ( 31 JUL 7 xome) .00249  ATA  ATA  ALPHA0000 IN. XS HACH - 4.530 PYOTAL   110 your and a protal   110 your and a protal   110 your and a your a	900.730 199.250011620010100487 900.540 299.6900166300499 .00559 .00459 900.570 402.7000265901142 .01549 .00699 900.550 596.9800238601090 .01357 .00379 900.560 797.1700139400805 .01169 .0 218 900.650 999.7300182700495 .01044 .00249  IAI3,SR8(S8)WITH PLUMES SEPARATING FROM 09710 (RTJ317) ( 31 JUL		00502	00073	00101	01162	199.250	900.730
900.0900 149.0100133500033000502 900.730 199.25001162001010021100487 900.730 199.25001162001010021100487 900.540 299.6900265901142 .01559 .00659 900.550 596.9800265901142 .01357 .00379 900.560 797.1700139400805 .01169 .0.218 900.650 999.7300182700495 .01044 .00249  ATA  ATA  ALPHA0000 IN. XS ALPHA000 BETA000 BETA000 BETA0000 IN. YS ALPHA0000 BETA0000 IN. YS	900.800 149.010013350003300502 900.730 199.25001162001010021100487 900.540 299.6900165300499 .00559 .00459 900.570 402.7000265901142 .01599 .00599 900.550 596.9800238601090 .01357 .00379 900.560 797.1700139400805 .01169 .0.218 900.650 999.7300182700495 .01044 .00249  IAI3,SRB(SB)WITH PLUMES SEPARATING FROM 09110 (RTJ317) ( 31 JUL		00397	00004	00101	01335	149.010 199.250 299.695	900.850 900.730 900.540
900.670 98.53702014003850000400502 900.080 149.010013350043700502 900.730 199.25001162001010021100487 900.730 199.25001162001010021100487 900.540 299.6900166301142 .01599 .00599 900.550 402.7000268901142 .01357 .00379 900.560 598.7300139400805 .01168 .0.218 900.650 999.7300182700495 .01044 .00249  ATA  ATA  ALMA - 4.530 PYOTAL - 1107 ALMA - 4.530 PYOTAL - 1107 ALMA - 0000 IN. YS ALMA - 0000 BETA - 1107	900.670 98.53702014005850000400502 900.890 149.01001335004370007300502 900.730 199.25001162001010021100487 900.570 402.7000265901142 .01599 .00559 900.570 402.7000265901142 .01599 .00599 900.560 596.9800238601090 .01357 .00379 900.580 797.1700139400805 .01169 .0.218 900.650 999.7300182700495 .01044 .00249 1A13,SR8(S8)WITH PLUMES SEPARATING FROM 09110 (RTJ317) ( 31 JUL		00220	14500.	-,00585 -,00437 -,00101	-,02014 -,01335 -,01162	98.537 149.010 199.250 299.690	900.670 900.800 900.730
900.610 50.5600239101086 .0034100220 900.670 98.53702014005850000400397 900.800 149.010013350043700502 900.800 199.25001162001010021100487 900.540 299.6900166301142 .01549 .00699 900.550 402.7000238601142 .01549 .00699 900.550 596.9800238601142 .01357 .00699 900.550 999.7300138700895 .01164 .0249 900.650 999.7300182700895 .01164 .00249 900.650 999.7300182700995 .01044 .00249 900.650 999.7300182700995 .01044 .00249 900.650 999.7300182700995 .01044 .00249	900.610 50.5600239101086 .003v100220 900.670 98.53702014005850000400397 900.800 149.010013350003700502 900.800 149.010013350010100502 900.540 299.550011630010100599 .00599 900.570 4.02.7000256901142 .01549 .00599 900.550 596.9800238601090 .01357 .00379 900.560 596.9800238601090 .01357 .00379 900.560 599.7300182700895 .01169 .0.218 900.650 999.7300182700495 .01044 .00249		90400	.00017	01086 00585 00437 00101	02391 02014 01335 01162	50,560 98,537 149,010 199,250 299,690	900.610 900.670 900.800 900.730
900.920 .0790226901020 .0001700408 900.610 50.5600239101086 .0034100220 900.610 50.5600239101086 .0034100220 900.610 98.53702014003950000400397 900.800 149.010013350003700502 900.800 199.250011630010100487 900.550 699.6900265901142 .00559 .00459 900.560 596.9800265901142 .01549 .00599 900.580 797.1700139400895 .01168 .0.218 900.580 797.1700139400895 .01164 .00249 900.580 999.7300182700495 .01044 .00249 900.650 999.7300182700495 .01044 .00249 900.650 999.7300182700495 .01044 .00249 900.650 999.7300182700495 .01044 .00249	900.920 .0790226901020 .0001700408 900.610 50.5600239101086 .0034100220 900.610 50.5600239101086 .0034100220 900.670 98.53702014005930000400502 900.730 199.25001132004370051100502 900.570 402.7000265901142 .01549 .00559 900.570 402.7000238601090 .01357 .00379 900.580 797.1700139400805 .01168 .0 218 900.580 797.1700139400805 .01169 .0 0249 900.650 999.7300182700495 .01044 .00249		CYN	5	01020 01086 00585 00437 00101	02269 02391 02014 01335 01162	50.560 98.537 149.010 29.250	900.920 900.610 900.670 900.830 900.730
X Z CN CLM CLM CY CYN 900.920 .0790226901020 .0001700408 900.610 50.5600239101086 .0034100220 900.670 98.53702014003850000400397 900.870 149.01001335004370007300502 900.730 199.25001162001010021100487 900.540 299.6900166300199 .00559 .00459 900.570 402.7000258901142 .01549 .00699 900.550 596.9800238601142 .01357 .00379 900.560 999.7300139400895 .01044 .00249 900.650 999.7300139400095 .01044 - 4.530 PYDTAL = 1107.0000 IN. XS  XMRP = 1167.0000 IN. XS  HACH = 4.530 PYDTAL = 1107.0000 IN. XS  HACH = 4.530 PYDTAL = 1107.0000 IN. XS	X Z CN CLM CLM CY CYN 900.920 .0790226901020 .0001700008 900.610 50.5600239101086 .003v100220 900.670 98.53702014005850000400397 900.800 149.010013350003700502 900.800 149.01001335001010021100497 900.570 199.250011630010100599 .00599 900.570 4.02.7000265901142 .01599 .00699 900.570 4.02.700028601090 .01357 .00379 900.560 596.980028601090 .01357 .00379 900.560 797.1700139400805 .01169 .0.218 900.650 999.7300182700495 .01044 .00249			ì	01020 01086 00585 00437 00101	CN	2 .079 50.560 98.537 149.010 199.250	900.920 900.610 900.670 900.930 900.730
RUN HO. 364/ 0 RN/L = 6.62  X	X	DBETA - PCH-18R - 1500	2	ì	01020 01086 00585 00437	6.62 CN 02269 02391 0135 01162	Z .079 50.560 98.537 149.010 199.250	888888
YMERP =	YHRP =	PTOTAL - 110	e	i	CLM 01020 01086 00583 00437	6.62 CN 02269 02391 0235 0135	1 00,000	364/0 364/0 x x 900.920 900.610 900.670 900.670
XHEP         = 1167.0000 IN. XS         YER         + 5.530         P707AL = 1100           YHEP         - 0000 IN. YS         ALPHA = 0.000         BETA = 0.000         BETA = 0.000         BETA = 0.000           ZHEP         + 400.0000 IN. ZS         - 0000 DBETA = 0.000         PCHFBR = 1500           RM NO. 364/ O BN/L = 6.62         CN         CV         CYN           PRA NO. 364/ O BN/L = 6.62         CN         CV         CYN           900.510	XMPP = 1167.0000 IN. XS YMPP =0000 IN. XS YMPP =0000 IN. YS ZMPV =0000 IN. YS ZMPV =0000 IN. YS ZMPV =0000 IN. YS XMPV =0000 IN. YS XMPV =0000 IN. YS XMPV =0000 IN. YS SOU. SEG			;	CLM 01020 01086 00583 00437	6.62 CN 02269 02391 0135		364/ 0
ATA  NAME - 1167.0000 IN. XS  YHRP	### PARAMETRIC DATA  ***PSP = 1167.0000 IN. XS  ***YMSP = 1.0000  TRIC DATA	<b>1</b> 6	;	CL# 01020 01086 00583 00437	6.62 CN 02269 02391 0135		1167 100 100 354 0 364 0 364 0 000 920 900 610 900 610	
MACH   1113, SRB(ISB) IN   TH PLUMES SEPARATING FROM 09110	1413,5RB(5B)HITH PLUNES SEPARATING FROM 09710   (RTJ316) (31 JAL 7	( 31 JA		00H 09T10	CLM 01020 01086 00585	6.62 CA 02269 02391 01162 01163	7, SPB (SB) HT 000 IN. XS 000 IN. ZS 000 IN. ZS 000 IN. ZS 1079 2, 079 20, 560 98, 537 149, 250 299, 690	364/ 364/ 364/ 3690.92 9900.92 9900.631

. 01075 . 01068 . 00998 . 00977 . 00551 . 00551 . 00207 . 00207

.02098 .01695 .01301 .01116 .00860 .00853 .01145 .01145

CLM - 00434 - 00434 - 00439 - 00509 - 00628 - 00530 - 00530 - 00180

CN - 02437 - 02562 - 02589 - 01598 - 01745 - 01745 - 01745 - 017592

2 - 158 51 - 014 101 - 120 150 - 790 200 - 500 301 - 150 401 - 400 600 - 660 600 - 660 997 - 990

× 1286 249 249 316 316 316 308 477 747 753

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### IA13, SRBISBINITH PLUNES SEPARATING FROM 09110

	000.001																								
DATA	PTOTAL - BETA - DBETA - PCH-19R -																								
PARAMETRIC DATA	25.4 .000. .000.																								
	MACH ALPHA : DALPHA : Y		CYN	.01247	.01273	.01312	.01469	.01556	₹010.	.00531	. 00325	.00118	₩2000.		CYN	.00451	31400.	.00509	.00685	65/00.	00910	.00988	.00345	. 00266	.00016
			ઠ	. 02212	.02191	.02180	.01995	.01827	.01055	.00058	.01113	.01253	.01151		ځ	.01507	.01462	. 0135k	.00936	.00883	.01321	71710.	.01020	.01134	.01227
			g.	00509	00531	00450	00347	-,00403	-,00580	00595	00714	00401	00182		5	00666	00710	00700	00624	- 00530	-,00480	00764	-, 00669	00664	00145
		6.62	8	01636	01815	02127	02379	02587	-,02501	02039	01618	-,01925	01840	6.62	ટ	01497	01486	01583	01735	01912	02615	02999	01729	01722	02025
	167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	BH/L	2	976.	49. 483	98.897	148.330	198.780	299,960	393,910	601.340	800.960	048.666	BN/L	7	510.	50.472	100.770	150.690	200.260	299.900	400.960	599.870	799.400	958.990
	1167.0000	. 367/ 0	×	300.420	300.300	300.320	300.410	300.280	300,330	300.200	300.400	300.480	300.470	. 366/ 0	×	600.530	600.540	609.530	600.640	600.550	600.550	600.610	600.630	600.640	600.540
₹	X HEST	FEN NO.												RUN NO.											
REFERENCE DATA	2690.0000 SQ.FT 1290.3000 INCHES 1290.3000 INCHES .0100	•												•											
	SREF . LREF . BREF .																								

4

. 06578 . 00585 . 00713 . 00705 . 00587 . 00587 . 00587

. 01255 . 01255 . 00916 . 00996 . 00996 . 01099 . 01099 . 01099

CLM
- . 00842
- . 00831
- . 01033
- . 010553
- . 00600
- . 00494
- . 00853

CN - . 01803 - . 01919 - . 02356 - . 02356 - . 02210 - . 01828 - . 01828 - . 01828

2 - 412 99.862 99.759 151.030 201.280 300.050 900.050 900.460 999.710

x 900.650 900.590 900.590 900.50 900.760 900.760 900.760 900.760

6.82

RY.L

RUN NO. 385/ 0

	AUG 75	1A13 S	IA13 SOURCE DATA	_						
			[14]	1,5R8(58)HI	TH PLUMES S	IAI3, SRB (581HITH PLUMES SEPARATING FROM 09T10	OH 09110		(RTJ318)	6
	REFERENCE DATA	17.4							PARAMETRIC DATA	DATA :
	13 03 0000 0000		1187.	X .WI 0000 1N. XS				HYCH	4.530	PTOT
	1300 1000 34.71.							ALPHA .	.000	<b>BETA</b>
	1290.3000 INCHES	<b>SH2</b>	- 460.					DALPHA -	000. 400.000	# £
_	00:00	3		Ž	5					
		5	P NOT		<u> </u>					
			×	7	ક	£	Ç	Ç		
			. 232	350	01418	00411	.01579	04000.		
			.280	49.571	01456	06457	.01558	. 03080		
			. 233	83.660	01454	00524	.01515	. 00119		
			771.	149.560	01433	00579	.01461	. 60138		
			571.	199.150	01428	00619	.01+39	. 00180		
			.220	299.510	01456	00637	.0138	.00180		
			515.	399.870	01617	00538	.01399	. 00137		
			.321	600.430	01926	00200	.01512	00065		
			.262	800.170	C1690	00276	.01214	00050		
			.291	939,810	01537	00383	16600'	92000.		
		₹	370/ 0	RN/L .	<b>8</b> .62					
			,	•	3	<b>x</b>	5	CYN		
			× 0	,	בי ה בי	2007		8100		
			300.320	1000	90000	E 100.1		8000		
			300.340	BON . 00	90910	#00000 I	2000	F 1000		
			300.370	100.170	CB010	- 00686	0010.	5500.		
			300.300	150.180	01638	99500	624.0	5C-00		
			300.290	200.190	01602	5 5 5 5 5 F	2/2/0.	00000		
			300.470	300.370	01502	00597	.01137	. 00323		
			300.290	399.910	01425	0057 <b>8</b>	60110.	85500.		
			300.390	599.760	01780	00477	.01683	16100.		
			300.540	799.880	C5510	51200 ·-	56510.	. 0006		
			300.400	0.50.66	ncc10		* 20 10 ·			
		2	371/ 0	RN/L	9.62					
			×	17	ક	r,	Շ	CYN		
			600,460	230	01850	00270	.02118	.00729		
			600.550	49.796	01971	. 00328	.02104	.00639		
			600.560	198.66	-,02112	00354	5×020.	11500.		
			04. 39	150.090	02335	00303	.01962	.00380		
			600.560	200.430	02354	00287	51810.	. 00301		
			600.450	300.240	01995	00*00	.01213	7 45 00 .		
			6.10,650	¥00.060	01636	00553	₩9800.	02400.		
			830.410	600.320	01576	+33C0	.01123	.00203		
			630.630	800.370	01917	00326	.01321	.00016		
			600.550	999.880	01732	00256	.01180	00025		

000.001

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SPEF . LREF . BREF . SCALE .

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DATE 02 AUG 75

(RTJ318) ( 31 JUL 75 )

## 1A13, SPB (58) WITH PLUNES SEPARATING FROM 09110

	PARAMETRIC DATA	
TANK DE DE CONTRE LA CONTR		

	0000		
	000.011 000. 000.		
	PT0TAL = 8ETA = 08ETA = PCH-18R =		
	000. 000. 000.		
	MACH ALPHA - DALPHA -		CYN .01117 .01145 .01025 .00972 .00978 .00976 .00376
			CV .01751 .01699 .01984 .02009 .01655 .00942 .01586
			00532 00533 00553 00593 0057 0057 00575 00576
		8.62	CN - 01346 - 01452 - 01726 - 02043 - 02242 - 02107 - 01569 - 01569 - 01569 - 01569 - 01569
	1187.0000 IN. XS ,0000 IN. YS 400.0000 IN. ZS	FBV/L	2 - 096 - 096 50 - 1996 150 - 096 150 - 096 150 - 090 15
		. 372/ 0	x 900.620 900.750 900.750 900.700 900.750 900.750 900.750
4	SHAY SHAY	PEN NO.	
ENCE DATA	SO.FT. INCHES INCHES		
PEFERENCE	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES		
	SHEF SCALE		

## 1A13, SRB (SB) WITH PLUNES BEPARATING FROM 09110

(RTJ319) (31 JUL 75 )

ATAC TORRESTORY	<b>*</b>							PARAMETRIC DATA	DATA	
SREF = 2690.0000 50.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	XHRPP XHRPP ZHRPP	1167.00	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH ALPHA - DALPHA -	4.530 .000 .000 .000	PTOTAL BETA BOBETA PCHEBR	110.000 .000 .000 1500.000
	REN NO.	373/ 0	BN/L	8.62						
		¥ .	2 798.950	CN 01542	CLM 00353	CY . 00930	CYN . 00053			
	75. 160	374/ 0	RN/L	6.62						
		300.440	<b>2</b> 799.990	CN 01569	CLM 00371	CY . 00962	CYN . 00068			
	2 8	RUN NO. 375/ 0	RN/L	6.63						
		X 600.580	2 799.870	CN 01568	CLM 00359	CY .00976	CYN .000\38			
	<b>3</b>	RUN NO. 376/ 0	FN/L	6.62						
		× 800.680	Z 799.860	CN 01606	CLM 00329	CY . 01103	CYN 00020			

### 000.011 75 (RTJ320) ( 31 JAL PTOTAL • BETA • DBETA • PCHMBR • PARAMETRIC DATA 0000 MACH ALPHA DALPHA Y .00661 .00663 .00595 .00595 .00598 .00597 .00377 .00137 . 00620 . 00563 . 00545 . 00341 . 00374 . 00662 . 00625 . 000255 CY -.00250 -.00561 -.00613 -.00534 -.00534 -.005464 .00757 .00757 CY -.00672 -.00987 -.00915 -.00068 .00008 .00562 .00564 IA13 SRB(SB) M/O PLUMES SEPARATING FROM 09710 CLM -,00251 -,00183 -,00130 -,00130 -,00208 -,00208 -,00525 -,00538 -,00538 CLM . 00192 . 00173 . 00084 . . 00961 . . 00328 . . 00912 . . 00579 . . 00249 . . 00614 - 01328 - 01117 - 00852 - 00593 - 00399 - 01351 - 01366 CN - 01681 - 01362 - 003762 - 00762 - 00762 - 01394 - 01190 - 01622 - 01622 - 01625 Z 6.63 6.63 . 1167.0000 IN. XS .0000 IN. YS .400.0000 IN. ZS 199.910 300.360 402.140 598.750 799 060 995 300 .554 49.787 99.707 . 284 50. 206 99. 783 149. 020 197. 520 299. 900 400. 850 600. 930 800. 240 . 1/K IA13 SOURCE DATA 300 .420 300 .460 300 .440 300 .520 300 .460 300 .460 300 .450 300 .450 300 .450 377/ 0 271. 213. 243. 238. 238. 318. 378 ₹ 8 X1189 Y1189 Z1139 5 5 5 REFERENCE DATA SREF - 2690.0000 50.FT. LREF - 1290.3000 INCHES BREF - 1290.3000 INCHES SCALE - .0100 CATE 02 AUG 75

CY -.00116 -.00405 -.00530 -.00474 -.00211 .00167 .00531 CN 1399 - . 01399 - . 00583 - . 00583 - . 00583 - . 00584 - . 00160 - . 00584 - . 01077 - . 010874 - . 010874 - . 010874 - . 010874 50.55 50.822 100.350 150.370 299.880 400.050 661.060 800.940 x 600.520 600.560 600.490 600.510 600.620 600.530 600.530 600.530

6.63

PN/L

NO. 379/

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.00524 .00524 .00463 .00371 .00360 .00243 .00134

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( 31 JUL 75

(RTJ320)

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## 1A13 SRBISB) H/O PLUMES SEPARATING FROM 09T10

REFERENCE DATA	<							PARAMETRIC DATA	DATA	
2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100	XHRRP YHRRP ZHRP	.167.	1167.0000 IN. XS0000 IN. YS. 400.0000 IN. ZS.				MACH ALPHA DALPHA Y	000°.	PTOTAL BETA COBETA PCHMBR	000.
æ	PEN NO.	380/ 0	FBN/L	6.63						
		×	7	ž	C.	Շ	CYN			
		900.740	-1.247	₹600	00377	00002	<b>50000</b> .			
		900.740	49.679	00539	00408	001Pt	*0000°			
	-	900.810	99.936	00309	00483	00359	.00073			
		900.670	149.640	00202	-,00400	00393	.00132			
		900.770	199.690	00249	00263	00252	6+100			
		900.720	299,680	00292	00115	00213	.00238			
		900,750	399,950	00218	60109	00045	.00164			
		900,660	601,980	008+3	00619	86400.	.00243			
		900.730	799.350	00716	00459	51400.	. 0012º			
		900 710	999,080	-,01366	.00237	.00543	00018			
		141	3 588(58) #	1/0 PLUMES S	1A13 SRB (SB) 4/0 PLUMES SEPARATING FROM 09110	ROM 09110		(RTJ321)	21) (3: JAL 75	ሊ ንን
REFERENCE DATA	⋖							PARAMETRIC DATA	: DATA	
2690,0000 SO.FT.	S S	1167.	1167.0000 IN. XS				KACH	4.530	PTOTAL .	110.000
1290.3000 INCHES	YESP	•	Z	عمر			ALPHA -	000.	BETA .	000.
1290,3000 INCHES .0100	<b>₩</b>	*00 *	400.0000 IN. ZS				DALPHA - Y	.000 <b>200</b> .000	DBETA = PCHMBR =	000.
œ	PEN 180	394.0	RN/L -	6.82						
		×	2	3	H T	ć	CYM			
		318	262	01491	00410	.01713	.00395			
		.236	50.081	01438	.00329	.01542	\$£ +00.			
		<u>\$</u>	100.243	01059	*1000·	.01308	.00463			
		.273	150.240	00975	00095	.01106	62400			
		975.	200.220	90892	00197	. 00892	11500.			
		189	300.060	00686	00353	.00573	.00538			
		<u>.</u> 8	400.010	00775	00311	.00612	.00364			
		.28	599.560	01374	.00196	.00929	00114			
		378	799.480	01168	. 00274	<b>71700</b> .	00:67			
		-269	939.900	00491	00087	.00336	0+000			

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SREF LREF BREF SCALE

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(RTJ322) ( 31 JUL 75 )

### IAIS SPBISB) W/O PLUNES SEPARATING FROM 09110

	.000 .000																																			
DATA	PTOTAL BETA BETA DBETA PCHHBR =																																			
PARAMETRIC DATA	4.530 .000.																																			
	MACH ALPHA DALPHA Y		Z.	£6100°	82100	00135	0.000	00092	00241	00386	. 00025	.00021		Š	52100	98100	.00359	02400.	. 00412	.00271	.00078	00250	00152	.00023		N.	57,000.	90400.	12200.	80 100 .	.00551	. 00479	. 00354	00031	00264	. 00021
			5	.01006	60010	.01033	.01075	.01173	.01265	.01153	.00312	.00325		Շ	.01392	.01207	.00861	.00715	. 00669	SCT00.	.00925	.01079	.00626	.00343		Շ	.01319	.01327	.01219	.0088⁴	.00536	.00538	.00607	.00890	.00965	.00329
			C.H	00047	- 000035	00060	. 00050	.00025	04100.	+1E00.	00073	00085		ij	.00278	71100.	₹.00056	00135	00173	00132	00028	. 00250	.00111	00073		S.	68000	11100.	.00104	.00039	00122	00246	00213	.00038	. 00273	00065
		<b>8</b> .	8	- 00478	±.00813	00678	00752	00923	01082	01199	00522	00522	6.62	ટ	01088	00900	00680	00609	00589	00755	00936	01287	00837	00486	<b>6</b> .62	8	008≥	+1010	01082	+9600∵-	00733	00618	00727	01137	01238	00525
	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	FBN/L =	2		30 00 00 00 00 00 00 00 00 00 00 00 00 0	149.980	200.040	300.030	400.380	600.000	799.940	999.960	FN/L -	~	109	50.145	100.150	150.220	200.130	300.130	399.940	599.810	799.770	1000.000	RN/L -	7	227	49.968	100.001	149.950	199,890	299.860	399.980	600.420	800.030	939.990
ENCE DATA	XMR9 = 1167 YMR9 = ZMR9 = 400	RUN NO. 385/ 0	×	875. 070	192	1000	181.	305.	975.	<b>≯</b> 82.	315.	.326	PUN NO. 386/ 0	×	300.390	300.380	300.410	300.530	300,430	300.350	300.390	300.440	300.460	300 . 360	RUN NO. 387/ 0	×	600.530	600.5:0	600.520	600.510	600.470	600.500	600.530	094.009	600.530	600.460
REFERENCE	SAEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100																																			

DATE 02 AUG	٠ ک	87 O	1413 5	IAI3 SOURCE DATA	⋖							a.	PAGE 389
				141	3 548(58)	1	PLUMES SE	IAI3 SRB(SB) M/O PLUMES SEPARATING FROM 09110	10H 09110		(RTJ322)	(31 J.C.	JAL 75 )
		REFERENCE DATA	⋖								PARAMETRIC	DATA	
3773 5386 1386		2690.0000 80.FT. 1290.3000 INCHES 1290.3000 INCHES	684.7 7.480 7.480		20000000000000000000000000000000000000	× × × × × × × × × × × × × × × × × × ×				MACH ALPHA - DALPHA -	000 00 mg . J	PTOTAL BETA CBETA PCHMBR -	000.
		Œ	RUN NO.	386/ 0	RN/L	6.62	×						
				×	~	J	3	SL.	C.	S			
				900.676	Ž.	·	006₩0	u0087	<b>60600</b> .	50700.			
				900.680	30.268		.00734	00090	5010.	. 00869 6. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			
				900.690	150.200		01087	00041	₹10.	£+500.			
				900.680	200.230		-,01196	00041	.01159	. 00580			
				900.690	300.240		00905	00258	02600.	.00632			
				900.630	399.820		00684	00310	.00365	12500.			
				800.690	199.940		0088⊁	00187	.00633	56100.			
				900.730	799.460		01192	.00169	. 00889	00150			
				900.670	999.670		00878	.00135	.00616	00119			
				141	3 SRB(SB)	0/1	PLUMSS SE	1413 SPB(SB) W/O PLUMES SEPARATING FROM 09110	OH 09110		(RTJ323)		(31 JAL 75 )
		REFERENCE DATA	⋠								PARAMETRIC	: DATA	
22 1.86 1.80 1.00 1.00 1.00 1.00 1.00 1.00 1.00	Ø = 2	2690.0000 SQ.FT. 1290.3000 INCHES	9 3 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1167	.0000 IN.	X X X X				MACH -	. 530 000	PTOTAL • BETA • DBETA •	000.011
SCALE	-		Ì			3					800.000	~	000
		æ	PEN NO.	389/ 0	FR/L	8.8	24						
				х . 263	2 800.320		CN 00557	CLM 00057	CY .00308	CYN 00004			
		•	75 NO.	390/ 0	BA/L	6.62	25						
				X 300.380	Z 800.030		CN -, 00548	CLM 00062	CY .00290	. 00000			
		Œ	PELN NO.	391/ 0	RN/L	6.51	<u>.</u>						
				X 600.410	2 800.000		CN 30529	CLM 00071	CY .00277	CYN . 00017			
		Œ	5 2	392/ 0	RN/L .	8.6	æ						
				X 900.760	<b>2</b> 799.900		CN - 00522	CLM 00064	CY .00277	. 00014			

In , E

REFERENCE DATA

### (RTJ324) (31 JUL 75 )

### PARAMETRIC DATA

PTOTAL = 110.000 BETA = .000		
000.	800.000	
ALPHA -		CYN 00274
		CY .00945
		CLM . 00156
IO (O to	6.63	CN 00954
- 1167.0000 IN. XS	RUN NO. 393/ 0 RW/L =	2 800.170
1167.	393/ 0	× 601.100
X X	PCN NO.	=
SO.FT.		
2690.0000 S	0100	
SYEF = 2890		

## IA13 SRB(SB) M/O PLUMES SEPARATING FROM 09710

REFERENCE DATA

SCALE .

### (RTJ325) ( 31 JUL 75 ) PARAMETRIC DATA

PTOTAL - 110.900	BETA000	.000 DBETA000	PCHMBR = .000
4.530	. 000	000	400.000
MACH	ALPHA .	DALPHA -	• -
- 1167.0000 IN. XS	S YMRP	. • 400.0000 IN. ZS	
8	g.	<u> </u>	
- 2690.0000 SQ.FT.	1290.3000 INCHES	- 1290.3000 INCHES .	0010
		•	بيا

### RUN NO. 394/ 0 RN/L = 6.63

CYN	.00419	.00363	+1500.	4F500.	. 00239	.00155	.00116	.00473	.00219	-, 00052
Ç	. 000 <b>52</b>	.00115	.00136	84100.	.00153	.00272	.00353	.00581	.00539	.00728
r U	00188	00179	00166	00170	00163	00038	.00059	00501	00270	. 00135
8	00499	00510	00533	00528	00552	00795	0095B	00751	00777	01184
7	-, 055	50.080	99.953	150.060	199.970	300.050	398.940	600.500	800.420	1000.200
×	1600.900	1601.:00	160: 100	1601.000	1600.900	1601.000	1601.100	1601.100	1601.000	1601.100

(RTU326) (31 JUL 75 )

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IA13 SRB(SB) H/O PLUMES SEPARATING FROM 09710	
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	110.000	000	000	000																				
DATA	PTOTAL . 1	BETA -		PCHMBR •																				
PARAMETRIC DATA	4.530	000	5.000	000.																				
•	- MACH	ALPHA .	DAL, PHA -	• >		CYN	. 00536	. 00298	66100.	. 00256	.00476	. 00732	.00387	00149		CYN	.00131	82100.	.00203	.00238	.00258	19000.	0.0000	.00239
						5	00191	00023	.0000	.00163	65400.	84010.	16900.	.00945		Š	00462	00493	61400'-	00232	00073	.00214	.00257	.00578
						CLM	.00363	.00357	10400.	.00368	.00100	00294	00147	.00556		<b>1</b> 73	-, 00095	69000'-	-,00050	*1000·	.00052	. 0024 <b>9</b>	.00463	₹100°-
					6.64	Š	.0078⁴	7.600.	.01153	.01340	.01430	.00844	.01332	. 00445	. 64 64	8	₩600	76110.	.01284	.01326	<u> ትት</u> ይ 10 .	.01295	24410.	.01438
	1167.0000 IN. XS		ž		RN/L	2	υž.	50.233	99.965	149.330	198.170	309.010	400.620	600.030	RN/L -	2	. 303	50.049	100.190	150.000	200.400	300.610	398.350	600.260
	•		•		395/ 0	×	88. 88.	828.	<b>.</b>	.289	.403	. 215	.335	.201	398/ 0	×	900.670	900.650	900.750	900.630	900.960	900.610	900.820	900.530
<b>4</b>		YHER			PUN NO.										PUN NO.									
REFERENCE DATA	F1	NCHES	SHOW		_										_									
REFERE	5 0000 0692	1290.3000	1290,3000	0010																				
				SCALE .																				
		-		,																				

IAI3 SOURCE DATA

10.12

PAGE 392

(RTJ327) ( 31 JUL 75 )

IAI3 SABISBI H/O PLUMES SEPARATING FROM 09TID

PARAMETRIC DATA
DATA

	REFERENCE DATA	ATA							PARAMETRIC DATA	) DATA	
SREF . LREF . BREF . SCALE .	- 2690.0000 SQ.FT. - 1290.3000 INCHES - 1290.3000 INCHES - 0100	X 1450 X 1450 X 1450	1167.	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH ALPHA OALPHA T	4.530 .000 5.000	PTOTAL BETA BETA BETA PCHHBR B	000.011
		75 76	396/ 0	RN/L	6.E						
			×	2	Š	Ę	გ	CYN			
			011	-2.:01	.01495	₹6200.	*E+10.	.00524			
			.220	50.356	.01467	₩9900.	.01149	.00591			
			343	160.230	.01643	₹6 <b>₹00</b> °	.00837	. 00701			
			.243	150.240	.01743	.00316	£ 4500.	.00733			
			.316	200.330	.01780	.00163	. 00576	.00701			
			. 122	300.410	.01695	.00051	.00733	.00439			
			.228	400.230	.01313	.00153	.01145	90000			
			004.	599,430	. 00532	£7700.	.00997	00281			
		PEN NO.	399/ 0	RN/L	6.64						
			×	2	8	CLM	ბ	CAN			
			900.670	868	.01300	SE 100.	. 000 7B	.00301			
			900.650	49.955	+7010.	.00270	09000.	.00201			
			900.550	99.868	.01005	14500.	.00155	01100.			
			900.620	149.840	.00967	.00422	£4500.	£1000.			
			900.840	199.770	.01036	.00465	.00347	B+000			
			900.810	299.530	.01289	₩2500.	.00433	80000			
			900.760	400.070	.01575	££00.	.00485	.00265			
			900.490	601.203	.01281	00053	.00711	61500.			

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REFERENCE DATA

# 1413 SPBISB) M/O PLUMES SEPARATING FROM 09110

### (RTJ328) (31 JUL 75 )

PARAMETRIC DATA

		DBETA000	
4.530	000	5.000	400.000
- HACH	ALPHA .	DALPHA -	• >
• 1.67.0000 IN. No	YMRP = .0000 IN. YS	- <00.0000 IN. 25	
8	YMARP	ZYGP	
		BREF # 1290,3000 INCHES	0010
• 1.30%	٠ پور	386	SCALE .
	_		٠.

### RUN NO. 397/ 0 RN/L . 6.64

CYN	. 0024B	.00180	16000.	00012	0012¥	00362	00452	00040
Շ	.00796	06800	.01017	.01144	.01267	.01469	.01382	80400.
CL.	.00108	.00163	15100.	.00159	96100	.00373	.00631	+G+00.
ટ	. 02162	.02105	. c2005	.01859	.01663	.01233	.00824	.01337
Z	087	49.864	99.887	149.690	199.850	300.080	<b>₩</b> 00.110	599.550
×	. 303	.378	.282	.288	168.	.261	2.50 0.40	.377

### RN/L . 8.74 RUN NO. 400/ 0

CYN	.00501	.00501	.00529	.00646	.00741	07700.	.00500	00098
Շ	87410.	.01382	.01218	.01052	<b>2</b> 8600.	.00760	.00533	.01036
CLM	. 00629	. 00669	.00684	.00564	£0400°	.00215	96100	.00265
Š	.01340	.01182	.01080	.01190	.01370	.01453	14510.	.01154
2	941	49.895	98.88	149.930	199 570	300.010	399.600	599.290
×	900.580	900.650	900.690	900.680	900,680	900.610	900.760	900.660

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IAI3 SOURCE DATA
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1A13 SAB(SB) H/O PLUMES SEPARATING FROM 09710

PARAMETRIC DATA

(RTJ329) ( 31 JUL 75 )

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	PTOTAL = BETA = DBETA = PCHMBR =																																			
PARAMETRIC DATA																																				
•	MACH		CYN	.00109	.00325	. 0055¥	.00847	.0107	80400	. 002 <b>+</b> 9	.00043	00018		CYN	.00384	.00303	19000	00000°	60500	00000	#1 F00 .	5000.		0.000	00016		CYN	.00398	.00247	.00251	11500.	S4E00.	.00260	.00329	500172	. 00023
			Շ	.01355	.00556	69000.	. 00329	¥8400°	.00726	.00354	51500.	16400.		Շ	.01623	0+600	13600	. 00557	00100	- m - c - c - c - c - c - c - c - c - c	00000	ASCOO.	1,000.	16500.	.00467		Շ	96900.	.00256	00196	00501	00+31	74000.	£2500.	₹6200.	.00463
			5	00219	00154	00277	00558	01530	+9600∵−	00678	00126	.00088		Ę.	-, 90515	00550	# - UOO	C1000	0000	99400	04/00	01400	-, 00833	9:500	.00141		٦.	00870	60600	00892	00758	-,00529	00715	01127	-,0065 <b>6</b>	00117
		6.63	ક	03950	03910	03751	03803	04075	04225	03658	03841	03625	6.63	3	06040	- 03784		U.S.C.4	1.000	02517	-, 02354	03569	03765	03628	03849	6.63	ક	03752	02766	02200	020B2	02081	02148	-,03944	03489	-,03622
	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	FAV.L	7	50.045	99.585	148.710	200.140	299.940	401.960	601.090	800.750	1000.100	RN/L .	~	ָ	. O	20.304	100.530	150.480	9.390	300.150	401.510	601.160	801.040	1000.0001	RN/L -	2	51.258	100.700	150.400	200.650	299.540	400.140	601.720	901 . 140	999.970
REFERENCE DATA	INCHES YMAP = 1167,0000 INCHES YMAP = .0000 INCHES ZMAP = 400.0000	RUN NO. 411/ 0	×	M.A.	. 293	\$5.2°	288.	₹22.	.338	0+E.	162.	275.	RUN NO. 409/ 0	>	092 002	000.000	300.390	300.470	300.420	300.380	300.370	300.490	300.400	330.570	300.440	RUN ND. 401/ 0	×	600.660	500.760	600.610	600.680	600.510	600.650	600.770	630.830	900.700
REFEREN	SREF = 2690.0000 SC LREF = 1290.3030 IN BREF = 1290.3000 IN SCALE = .0100																														,					

	2	DATA	PTOTAL BETA DBETA PCHMBR										
	(RTJ329)	PARAMETRIC DATA	000 G										
		_	MACH ALPHA DALPHA Y		CYN 00148	00220	00162	80000	16100.	. 00215	2.00°.	.00127	,000e4
	OM 09710				CY .008?¥	0.00540	.00216	00101	00196	00154	.00629	.00512	10400.
	ARATING FR				CLM 00693	-,00785	00879	00880	00624	00476	01110	00903	00344
	PLUMES SEI			8.63	CN 02873	-, 02449	01978	01711	01781	02038	-, √3394	03432	03408
	1413 SPB(58) H/O PLUMES SEPARATING FROM 09110		1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	RN/L .	2 LB 262	99.887	149.610	199,680	299.400	400 . 100	599.770	799.310	988.740
1A13 SOURCE DATA	1413		• • •	405/ 0	× 000	900.790	900.750	900.710	900.670	900.680	900.770	900.700	900.610
1413 5		¥.	XARRA VARRA Zrank	PCN NO.									
		REFERENCE DATA	BO.FT. INCHES										
27 OU		REFER	2690.0000 80.FT. 1290.3000 INCHES 1290.3000 INCHES										
DATE 02 AUG 75			BREF BREF SCALE										

(RTJ329) ( 31 JUL 75 )

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## 1413 SRB(SB) W/O PLUMES SEPARATING FROM 09710

REFERENCE DATA

(RTJ330) ( 31 JUL 75 )

PARAMETRIC DATA

000.011 000. 000.											
PTOTAL BETA CORETA PCHEBR											
4.530 .000 -5.000											
MACH - ALPHA - DALPHA -		CYN	.00422	.00317	.00269	.00283	.00358	.00373	.00178	00135	60000.
		Շ	, 020 L	94020′	.01697	94410.	.01182	.00682	.00482	.00741	.00356
		Ş	00452	00174	00177	64400'-	-,00562	00598	00326	.00131	00392
1167.0000 IN. XS .0000 IN. YS .400.0000 IN. ZS	6.63	3	03756	62440	04511	+7040	03884	03624	03554	03907	02733
\$			93	200	0	ç	0	0	5	90	99
N X X	RNYL	_	20 20	100.330	1.20	0.00	300.1	399.6	599.1	5.664	999.666
7.000 .000.0						•			_	-	
116,	412/ 0		440	9	4	350	3	331	. 187	8	.380
		,	•								
XHERP YHERP ZHERP	PEN NO.										
2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100	•										
SREF LREF BREF SCALE											

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JL 75 1		110.000	•	000	000
(RTJ330) (31 JUL 75	DATA	PTOTAL -	BETA .	DBETA -	PCHMBR
(RTJ3	PARAMETRIC DATA	4.530	000.	-5.000	200.000
		•	•	•	•
		HOFE	ALPHA	DALPHA -	<b>&gt;</b> -
1A13 SRB(SB) H/O PLUMES SEPARATING FROM 09710		- 1167.0000 IN. XS	.0000 IN. YS	400.0000 IN. ZS	
		•	•		
	Y A	×	Y HOP	Z#2	
	REFERENCE DATA	2690.0000 SQ.FT. XMRP	1290.3000 INCHES	1290.3000 INCHES	0010.
		•	•	•	•
		SPEF	LREF	BREF	SCALE

S. So	403/ 0	- Y	6.63			
	×	7	ક	5	ç	CÁN
	300.400	297	-, 02928	00782	.01717	00740
	300.250	49.714	03036	00833	.01782	.00631
	300.310	707.66	03375	+0800	.01800	96500.
	300,420	149.700	04116	-,00553	.01580	11700.
	300.390	199.710	04308	7.005.7	2:508	17400.
	300.470	300.630	03928	00829	.01346	.00003
	300.420	400.670	03822	00580	71600.	.00346
,	300.530	600.890	03608	00555	.00310	.00318
	300.530	800.650	03700	00144	.00589	.00007
	300.460	1000.200	03509	+€000.	.00603	06113

OYN	.00230	.00162	.00137	33100.	.00195	.00433	.00835	.00262	05100	00076
Շ	.00783	60800.	.00735	.00764	.00775	.01005	.00987	.00578	51400	.00587
CLM	00673	00671	00670	00695	00586	- 00632	01038	00716	00392	.00052
S	03061	02982	02812	02726	03008	03635	03938	03579	0348	0367v
2	160	49.838	906.66	150.099	200.070	300.940	401.290	598.820	799.960	989.090
×	600.490	600.440	600.540	600.480	600.490	600.630	600.700	600.550	600.430	600.470

RN/L - 6.63

RUN NO. 404/ 0

	Ç	14400.	.00407	.00321	.00233	.00170	.00186	. 00226	.00354	.00239	60000.
	5	.00031	00098	80000.	<b>*0100</b> .	<b>№</b> 6100.	. 00290	.00508	.00693	.00306	. 00522
	CLM	00642	00630	~.00592	00597	00593	84400	00490	00890	00608	00134
6.63	ટ	03091	-, 02891	02858	02745	02648	02853	03268	03801	03410	03564
RN/L.	2	.267	50,255	100.260	150.150	200.090	299.350	398.310	601.150	900.910	1000.300
RUN NO. 405/ 0	×	900 . 750	800.670	900.780	900.650	900.7⊁0	900.640	900.550	500.930	9¢0.830	900.690

SOURCE DATA	
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PATER SEPARATION FROM DOTIO

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### 1A13 SRB(SB) M/O PLUMES SEPARATI

PARAMETRIC DATA	ALPHA - 4.530 PTOTAL - 110.000 ALPHA000 BETA000 DALPHA5.000 DBETA000 Y - 400.000 PCHHBR000
REFERENCE DATA	SAEF = 2650.0000 SQ.FT. XMRP = 1167.0000 IN. XS  LREF = 1290.3000 INCHES YMRP = .0000 IN. YS  BAEF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZS  SCALE = .0100

RUN NO. 410/ 0

. 178 106 . 117 49.886 . 179 100.010 . 260 199.990 . 253 310.190 . 260 400.310 . 155 799.910 . 155 799.910 . 155 799.910	2	3	F)	S	CYN
. 117 . 179 . 198 . 260 . 260 . 283 . 155 . 349	106	63271	00140	.01355	6.000
. 179 . 198 . 260 . 260 . 283 . 155 . 349	49.886	03324	00173	N4600.	.00127
. 198 . 260 . 253 . 260 . 260 . 155 . 349 . 349	100.010	03284	-,00266	.00£17	₩500.
. 260 . 253 . 260 . 260 . 155 . 349	150.010	03311	-, 00291	.00574	.00337
. 253 . 260 . 283 . 155 . 349	199.990	03318	00300	.00586	.00309
.260 .283 (.155 .155 .249 (.349 .06/ .0	300,190	03385	00262	.00633	.00204
. 283 . 155 . 349 . 406/ 0	400.310	03439	00184	.00768	¥5000.
. 155 . .349 . <b>NO.</b> 406/ 0	600.140	03590	.00036	51010.	00250
.349 .0M	799.910	03093	00187	.00590	00195
NO. 406/ 0	939.980	02671	00428	.00290	.00027
	RN/L -	5.63			

CYN	54100.	10100.	.00127	.00202	348	<b>100464</b>	.00358	.00001	00261	0000
Շ	.01334	.01392	.01278	.01026	11700.	.00348	.00350	10700.	₩0630.	51500.
F U	00205	00210	00197	00224	00346	00456	-,00390	00140	<b>+5000.</b>	00416
3	03507	03646	03770	03778	03572	03394	03411	03541	03617	02670
2	175	50.258	100.260	150.130	200.050	300.040	399.060	599.580	799.550	939.740
×	300.370	300.350	300.390	300.520	300.370	300.410	300.400	300.420	300.380	300.470

C	.0062	.00564	.00465	. 00360	. 00272	.00312	16800.	54500.	00085	00155
ઠ	<b>5</b>	.01240	01210.	4.0110.	.01208	.00939	.00533	.00387	11700.	.00551
ਸ ਹ	00398	00453	00452	00409	00357	00455	00534	00360	00082	00130
8	03337	03421	03570	03745	03867	03661	03455	03521	03565	03182
7	86. -	49.868	93.898	149.990	199.980	300.150	400.270	600.600	800.430	999.780
×	600.510	600.520	600.440	600.470	600.450	600.480	600.540	600.600	600.640	600.630

(RTJ331) 1 31 JUL 75 )

1A13 SRB(SB) H/O PLUMES SEPARATING FROM 09T10

	REF	REFERENCE DA	DATA								PARAMETRIC DATA	: DATA		
SREF . LREF . BREF .	2690.9000 1290.3000 1290.3000	2690.9000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	XHRP		. 0000 . 0000 400. 0000	2X .N1 0000.				MACH ALPHA DALPHA T	4.530 .000 -5.000	PTOTAL F BETA B DBETA P	000:	
			PEN NO.	. 406/ 0		RN/L	6.63							
				×		Z	S	CLM	ć	CYN				
				900,600		.00€	- , 02938	-, 00596	.01.151	91800				
				900.710		50.373	03010	00862	0.540	.00748				
				900.590		100.440	03109	00736	.01215	.00697				
				900.670		150.350	03279	00773	.01235	.00691				
				900.760		200.270	03525	6+400	.01184	.0068⁴				
				900.750		300.110	03920	00567	.01360	.00536				
				900.650		399.810	03687	00594	.0078⁴	.00350				
				900.710		599.690	03476	00540	.00345	.00339				
				900.670	-	799.200	03420	00265	.00487	6,000.				
				900.760	•	939.460	03554	.00022	. 00698	00151				
					1A13 SI	RB(SB) IL	/0 PLUMES SE	1413 SABISBI W/O PLUMES SEPARATING FROM 09110	OH 09110		(RTJ332)	52) (31 JUL 75	JL 75 1	
	Æ	REFERENCE DA	DATA								PARAMETRIC	DATA		
3365	- 2690.0000 SQ.F	00 SQ.FT.		•	1167.0000	ž				MACH	4.530	PTOTAL .	110.000	
LREF	1280.300	1280.3000 INCHES	Y MRP	•	003					ALPHA .	000	BETA =	000.	
BREF SCALE	. 1290.365U	1290.366U INCHES	ZHRP	•	<b>₩00.0300 1</b> ₩.	0 1N. ZS				DALPHA -	-5.000 9U.000	OBETA -	000	
			R K	. 413/ 0		RNV.L .	6.63							
				X .330		830.120	CN 02732	CLN 00384	CY .00213	CYN . 00002				
			PEN NO.	0 / # 1 # .		RN/L	6.63							
				X 300.400		2 800.000	CN 02728	CLM 00399	CY . 00254	CYN .00007				
			PGN NO.	, 415,		RN/L .	<b>6</b> .64							

CYN . 50009

CY .00868

CLM -.00%08

CN -. 02730

X Z S 600.010

CYN .00011

CY . 002**6**7

CLM -.00393

CN -.02708

X Z 900.500 789.930

RUN NO. 416/ 0 RN/L + 8.63

DATE UZ AUC. 75

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### OH 09710

(RTJ333) ( 31 JUL 75

000.011

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SEPARATINO
10 PLUMES
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SR8 (58)
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PTOTAL BETA BETA PCHMBR -PARAMETRIC DATA 4.530 .000 -10.000 800.000 MACH ... ALPHA ... DALPHA ... 2 1167.0000 IN. XS X 1460 21462 21462 REFERENCE GATA SPEF = 2890,0000 SQ.FT, X LREF = 1290,3000 INCHES Y BREF = 1290,3000 INCHES Z SCALE = .0100

417/ 0 PUN NO.

CYN .00062 CY .00120 CLM -.50473 CN 7.06145 **Z** 802.1**60** 1.361

6.63 PN/L RUN NO. 118/ 0

CYN .00065 . 000**96** CLM -. 00464 CN -.08171 2 799.960 300.350

6.63 - 1×E RUN NO. 419/ 0

CYN .00063 CY .00123 C.M -. 00470 CN -. 06178 2 800.070 600.440

6.63 RUN NO. 420/ U

CYN -.00079 CY .00381 CLM -.00397 CN -.06311 2 799.970 х 90°. 680

# 1A13 SRB(SB) W/O PLUMES SEPARATING FROM 09710

(RTJ334) ( 31 JUL 75

PARAMETRIC DATA

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PTOTAL BETA BETA PECHABR B																								
4.530 .000 -10.000 400.000																								
MACH ALPHA BOALPHA T		CYN	00212	00141	64000	.00081	. 00222	. 00209	.00137	00115	00296	.00067		CYN	00013	.00053	.00061	64000.	.00043	17100.	.00341	<b>\$</b> 1100.	00128	00194
		Շ	16£10.	+1E10.	.01195	.00983	.00748	15700.	\$1,000.	96800.	.00955	.00254		ბ	.01690	.01555	.01528	16410.	.01437	69600.	.00516	.00628	.00780	50700.
		CLM	00232	00203	00214	00257	00314	- , 00289	₹200	41000.	.00077	00508		CLH	00260	00336	00361	00369	00348	00441	00522	00232	. 00041	00097
10.10.40	6.63	ક	-, 06555	06759	06906	06389	06982	₹6070	07193	07307	07250	06153	8.63	8	07096	07189	07285	07383	07465	07320	07068	07256	07391	06853
1187.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	RN/L -	7	.038	50.000	99.905	150.060	200.100	300.020	400.450	600.210	690.008	1002.200	RN/L .	2	1.069	50.552	100.380	150.450	200.310	300.090	399.460	599,600	799.710	999.720
• • •	J. 421/ 0	×	011.	920.	. 108	.203	. 202	9.55 8.55	.288	.288	.203	1.311	). 422/ O	×	300.530	300.430	300.390	300.430	300.310	300.310	300.320	300.310	300.260	300,280
delet.	PCN NO.												AUN NO.											
SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100													•											

. 00470 . 00467 . 00467 . 00381 . 00381 . 00163 . 00014 . 000135

01724 01719 01560 01560 01560 01758 01758 01142

CLM
-.00569
-.00689
-.00680
-.00680
-.00680
-.00495
-.00170
-.00170

-.142 49.977 100.080 150.150 200.300 300.300 400.540 600.630 800.600

600.430 600.430 600.410 600.490 600.520 600.520 600.630 600.530

6.63

RUN NO. 423/ 0

# (RTJ334) ( 31 JUL 75 )

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PARAMETRIC DATA  MACH = 4.530 PTOTAL = 110.000  ALPHA + .000 BETA = .000  DALPHA = -10.000 D9ETA = .000	₩ + 100.000
FREFERENCE DATA  SAFF = 2690.0000 52.FT. XMRP = 1167.0000 IN. XS  LAEF = 1290.3000 INCHES YMRP = .0000 IN. YS  BARF = 1290.3000 INCHES ZMRP = .400.0000 IN. ZS	•

### RN/L - 8.63 RUN NO. 424/ 0

									.00166	'
Շ	. 02089	M1610.	.01882	.01838	.01818	30410.	. 01298	.00787	.00462	.00563
CLA	00860	£1600'-	00969	01054	01087	+6600 -	00627	00696	00407	00068
ક	16890	07017	07137	07207	07319	07533	07853	07168	07120	07259
2	.781	50.495	100.550	150.590	200.510	300.090	399.590	599.250	799.420	044.666
×	909.850	900.720	900.730	900.810	900.800	900.770	900.730	900.620	900.670	900.750

# IAI3 SRB(58) W/O PLUMES SEPARATING FROM 09710

### (RTJ335) (31 JUL 75 )

PT01AL = 110.000
BETA = .000
OBETA = .000
PC+4\*BR = .000

ALPHA - 10:030
DALPHA - -10:030
Y

### PARAMETRIC DATA REFERENCE DATA

xs	YS	52	
ž	z	ž	
1167.0000	P. VI 0000.	400.0000	
•	•		
X MRSP	YMRP	9	
00 SQ.FT.	100 INCHES	BREF = 1290.3000 INCHES	00
2690.00	1290.30	1290.30	.0
•	•		•
38	PEF	BAEF	SCALE

### RN/L . 6.82 RUN NO. 425/ 0

C	.00564	96600	<b>√6500</b> .	.00256	90100	.00006
ప	.01885	.01069	.01209	.00546	. 00521	<b>36</b> 500.
C.M	00753	01471	01426	00878	00469	. 00217
8	**180	08 <b>261</b>	07721	07344	07291	07768
2	200.300	299.990	402.780	601.120	801.070	1002.600
×	315	523	586	774.	12.	<b>4</b> 9

10.14

PAGE 402

(RTJ335) (31 JUL 75 )

REFERENCE DATA	< <						PARAMETRIC DATA	DATA	
SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	XMRP = 118 YMRP = 2MRP = 40	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	<b>10</b> 10 10			MACH ALPHA DALPHA T	€.530 .000 -10.000	PTOTAL BETA BOSETA PCHMBR B	000 011
Œ	RUN NO. 427/ 0	0 RN/L -	6.62						
	×	Z	8	<del>د</del>	Շ	CYN			
	300.490	_	0705+	00723	01890	. 00229			
	300.490	150.560	06528	00732	.01206	62100.			
	300.410		05957	-,00769	.00583	76100.			
	300.450	300.160	05826	00921	.00025	64400.			
	300.470	401.420	06737	01754	.00387	.00679			
	300.640		07551	96600'-	57600.	.00162			
	300.670		07203	00697	.00459	.00125			
	301.710	1002.900	07433	-,00098	.00455	. 00041			
Œ	RUN NO. 429/ 0	0 RN/L =	6.62						
	×	Z	8	CLM	Š	CYN			
	019.009	150.810	05530	01143	.00543	.00328			
	600.680	-	6+6+0'-	01145	.00187	.00253			
	600.460	239.550	68940'-	+3600'-	00522	.00380			
	600.510		05317	00872	00358	C++00°.			
	600.920		07269	01594	.00653	.00410			
	600.750	801.210	07261	00826	. 004 35	.00138			
	601.810	1003.300	07214	00385	61+30.	06000.			
Œ	RUN NO. 432/ 0	0 RN/L =	6.62						
	×	2	ટ	<b>1</b>	Շ	CYN			
	900.630	200.810	04684	00917	.00286	00137			
	900.620		04822	01037	00306	.00103			
	900.650	400.170	04555	00878	+2400	.00290			
	900.670		-, 06244	01586	19400 ·	.00335			
	901.000		07366	00923	. 00558	64100.			
	905.100	-	07050	00630	80+00.	.00120			

### (RTJ336) (31 JUL 75 )

PAGE 403

	000.011	.000	000																													
DATA	PT0TAL = 8ETA =	08£ 7A •	PCHMBR .																													
PARAMETRIC DATA	4.530 .000	-10.000	200.000																													
	MACH .	DALPHA -	• >		CYN	91100	80100	.00223	.00250	00012	00144		CVN	.00716	.00598	64500.	.00591	. 00257	54€00.	¥1100.	00059		Š	<b>№</b> 0000.	.00062	£6000°	-00100	. 00299	.00635	.00167	.00183	.00016
					Շ	02653	. 02130	.01220	.00513	.00646	.00569		Ç	.02534	. 02468	. 02299	.01805	.01563	. )0604	.00504	.00580		Շ	.01556	.01363	.01188	01136	64810.	<b>56</b> 010.	06010.	.0048€	.00531
					S.	00210	00472	00682	00548	00072	. 00202		<b>6.4</b>	e-510	01284	01264	00928	00707	00719	00377	.00133		ş	01005	0092⁴	00920	+€600	01102	01112	17700 -	00632	00127
				0.0X	ટ	08716	08079	07514	07168	07481	07508	6.63	ક	07315	07373	07576	08167	0795 <b>8</b>	07238	07244	07521	6.63	ટ	06601	06600	06390	06383	06977	07896	07619	07154	07328
	1167.0000 IN. XS.	400.0000 IN. 25		RN/L =	2	200.200	299.950	399.820	299.100	799.310	999.350	FN/L -	2	102.030	150.530	200.490	300.130	399.220	599.020	799.200	999.150	RN/L -	2	50.373	100.390	150.090	198.950	238.620	401.270	601.010	801.010	1002.800
	• •	ZMRP = 400.		RUN NO. 428/ 0	×	. 220	875.	. 208	.055	611.	259	RUN NO. 428/ 0	×	300.650	300.440	300.380	300.300	300.250	300.220	300.280	300.290	RUN NO. 430/ 0	×	600.570	600.610	600.580	600.460	600.330	600.870	600.720	600.860	601.840
REFERENCE DATA	• 2690.0000 SQ.FT. • 1290.3000 INCHES	- 1290.3000 INCHES	SCALE0100	2								\$										æ										

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(RTJ336) ( 31 JUL 75 )

# IAIT SABISB) MIO PLUMES SEPARATING FROM 09710

REFERENCE DA	DATA							PARAMETRIC DATA	: DATA	
SREF = 2000,0000 SQ.FT. LREF = 120,3000 INCHES BREF = 1.20,3000 INCHES SCALE = .0100	XH86 XH86 ZH66	.0000 .0000 .0000	167.0000 IN. XS .0000 IN. YS 400.0000 IN. 2S				HACH ALPHA BOALPHA P	4.530 .000 -10.000 200.005	PTOTAL • BETA • DBETA •	000.
	SE NO.	431/ 0	RN/L .	6.63						
		×	7	z	C.	Շ	CYN			
		900.770	. 980	-, 06665	-,00910	1.600.	.00279			
	G	900.600	50.336	96154	00879	.00709	.00229			
	Ų,	900.660	100.310	06171	00805	.00539	.00214			
	U)	900.620	150.260	06128	00788	¥5£00°	. 00209			
	O,	900.640	200.230	06113	00758	51400.	¥C100.			
		900.450	299.190	06111	00765	.00455	6+100			
	U)	900.210	397.980	06604	00830	.00506	5,000.			
	ÇI	096 006	601.510	07647	01113	.00887	60400.			
	O)	900.970	800.990	07159	00766	.00534	.00186			
	O7	901.950	1003.300	07183	00375	.00487	.00102			
		141	3 SAB(SB) W	/O PLUMES S	1A13 SRB(SB) W/O PLUMES BEPARATING FROM 09110	10H 09110		(RTJ337)	7) (3) 34,75	K 73 )
REFERENCE DA	DATA							PARAMETRIC	: DATA	
								3	- 141010	000
. Decr 1900 3000 10000	<b>1 3 3 3 3 3 3 3 3 3 3</b>	1./01	1167.0000 IN. AS				TACA TACA	000		
BREF = 1290,3000 INCHES		0000 004	ż				DALPHA	-20.000	DBETA •	000
# 3.1							• -	000	PCH#18R .	000.
	PE 160	433/ 0	FBV/L	6.63						
		>	•	?	3	?	2			
		,	501.940	- 16478	10 -	00765	16400			
		3	801.220	-, 16720	-,00861	445.00	100304			
		039	986, 180	16829	00399	.00358	.00163			
	PCN PG	135	RN/L	6.63						
		×	~	3	Ş	ç	Š			
	-	300.400	599.920	15693	01923	00222	.00839			
	m	300.110	199.170	- 16+9	01061	.00100	.00403			
	m	300.230	989.240	1669⁴	00579	.00313	69100			
	<b>3</b> 80	435/ 0	RN/L	6.63						
		<b>&gt;</b>	•	3	<b>1</b>	5	2			
	•	600.700	601.080	14857	02445	00625	18600			

.00**516** 

.00060

-.01595

-.15833

801.210 1000.400

800.900 800.540

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(RTJ339) (31 JUL 75 ) PAGE 406 1A13 SPB(SB) H/O PLUMES SEPARATING FROM 09T10 1413 SOURCE DATA DATE 02 AUG 75

PEFERENCE .	ATA		2					PARAMETRIC DATA		
SALF = 2590.0000 50.FT. LREF = 1290.3000 INCHES BARF = 1290.3000 INCHES SCALE =	d2#12		.0000 IN. YS .0000 IN. YS .0000 IN. ZS	10 to to			MACH ALPHA = DALPHA = Y	. 530 . 000 -20.000 400.000	PTOTAL = BETA = DBETA = PCHHBR =	000.
	<b>2</b> 6	0 /1**	FBV/L =	6.63						
		× .358	2 600.670	CN 17356	CLM .00172	CY .01207	CYN 00088			
		.378	800.750 999.220	17574	.03465 .03629	0100.	00154			
	PEN NO.	0 /244	PN/L	6.63						
		×	2	ટ	CLM	ç	CYN			
		300.510	601.080	97571	00221 .06108	.01106	59000.			
		300.100	989.410	17537	01500.	.00704	+6000			
	ACN NO.	443/ 0	RN/L .	6.63						
		×	2	ટ	มี	:	C			
		600.700	040 . 108	₹6081	++000	.01553	00039			
		600.780 600.610	801.060 1000.600	17102	00278 .0019)	.00691 .00575	.00168			
	SCN NO.	0 / * * *	RN/L •	6.63						
		×	7	8	CLM	۲	CXN			
		900.850	500.980	6.191.	00₹3¢	01210.	.00296			
	· •	900.390	989.360	16973	-,00190	92,00.	.00163			
		[A13	SRB(58) HJ	10 PLUMES SI	(A13 SRB(SB) W/O PLUMES SEPARATING FROM 09T10	10H 09710		(RT.J340)	0) (31 JUL 75	ا د کتا
REFERENCE DA	DATA							PARAMETRIC DATA	DATA	
JÆF = 2690,0000 SQ.FT. LPEF = 1290,3000 INCHES SCALE = 1000	ZHSP ZHSP	1167.00	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH - ALPHA - DALPHA - Y	4.530 .000 -20.000 800.000	PTOTAL • BETA • DBETA •	200. 0.00. 0.00.
	FUN NO.	445/ 0	RN/L	6.63						
		x 057	2 078.897	CN 155 <b>94</b>	CLM 00278	CY 00100	CYN . 00145			

PAGE 407	(RTJ340) (31 JUL 75 )	PARAMETRIC DATA	+,530 PTOTAL • 110.000 ,000 BETA • .006 -20.000 DBETA • .000 800.000 PCHMBR • .000							(RTJ341) ( 31 JUL 75 )	PARAMETRIC DATA	4.530 PTOTAL • 110.000 .000 BETA • .000 .000 OBETA • 5.000 .000 PCHERR • 5.000
			MACH ALPHA DALPHA T		CYN . 00144		CYN . 00951		CYN 00316			MACH ALPHA DALPHA
	ROF. 29T10				CY 00101		CY . 00062		. 00805	ROM 09110		
	1A13 SRB(SB) H/O PLUMES SEPARATING FROM 29T10				CLH -, 00258		CLM 00237		CLM .00089	1413 SRB(SB) W/O PLUMES SEPARATING FROM 09110		
	10 PLUMES SI			6.83	CN 15628	6.63	CN 15709	8.63	CN 16352	OPLUMES S		
_	3 SRB(SB) H		1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	RN/L -	2 800.280	RN/L	2 800.380	RN/L	2 800.350	3 SRB(SB) W		1157.0000 IN. XS .0000 IN. YS 400.0000 IN. 25
IA13 SOURCE DATA	141		• • •	0 /944	300.41c	RUN NO. 447/ 0	X 600.540	RUN NO. 4487 0	× 900.580	141		E 6 0
1413		<b>4</b>	XMRP YHRP ZMRP	PCN NO.		RUN NO		P.C. NO			¥.	XYMRP YYMRP ZYMRP
DATE 02 AUG 75		REFERENCE DATA	SREF • 2690.0030 SQ.FT. LREF • 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100								REFERENCE DATA	SREF = 2690.0000 3Q.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100

PEN NO.

CLM . 00339 . 00420 . 00297 . 00154 . 00084 . 00029 . 00427 . 00052 2 .271 .20106 .20106 .20106 .20106 .20106 .20106 .20106 .2010 .201 

.00078 -.0022 -.0029 -.00218 -.000136 -.00671 -.00671 -.00553

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DATE 06	DATE 02 AUG 75	[13]	IA13 SOURCE DATA	NTA						Aq	PAGE 409
			2	413 SK8(S8)	H/G PLUMES	1A13 SKB1SB: W/C PLUMES SEPARATING FROM 09110	ROM 09110		(RTJ342)	(31 JJL	L 75 -
	REFERENCE DATA	E DATA							PARAMETRIC DATA	: DATA	
SPEF LREF BREF SCALE	2690.0000 SQ. 1290.3000 INC	SQ.FT. XHRP INCHES YHRP INCHES ZHRF		.0000 IN.	xx x			MACH ALPHA DALPHA Y	4.530 .000 .000 .000	PTOTAL - BETA - CBETA - PCHMBR -	000.611 000.8 000.000.
		RUN NO.	0. 453/ 0	0 RN/L =	6.63						
			×	~		CLM	5	CYN			
			900.500	928.	-,00815	00207	01904 01904	00051			
			300.680			**000	11610	00131			
			900.630	_		.00131	01823	00254			
			900.570			. 00256	01719	00383			
			900.690			.00137	01750	16400			
			900.570			00140	01840	-,00300			
			900.580	500.960	1900	1.0000	- 01689	5000			
			900.670			90000.	69610	. 00575			
			70.00F			5000					
			2	A13 SRB(SB)	H/0 PLUMES	IAI3 SABISB) H/O PLUMES SEPARATING FROM 09110	ROM 09110		(RTJ343)	_	31 JUL 75 )
	REFERENCE DATA	E DATA							PARAMETRIC DATA	DATA	
1385	u, -	SO.FT. XHRP	• •	.NI 67.0063 IN.	XS			MACH	4.530	PTOTAL =	110.000
SCALE	MI 0000 1000 100 100 100 100 100 100 100	NCHES ZHRP	• •		<b>52</b>			DALPHA -	000.	DBETA PCHEBR	.000 .000
		PUN NO.	0. 451/ 0	0 RN/L -	6.83						
			×	7	ક	5	Շ	C			
			.117			00038	00381	00714			
			.203.	49.983	71500	01000.	E 1400 -	00710			
			.228	-		19000.	00465	00722			
			ž			.00115	00503	0074B			
			.176			94100.	00266	00797			
			.106			.00159	00734	+1800			
			675.	539.660	00596	.00028	01639	80400 -			
			. 190	-		<b>6</b> 7000.	01682	69800-			

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IAI3 SABISBI M/O PLUMES SEPARATING FROM PSTID

(RTJ343) ( 31 JUL 75 1

PAGE 410

.000 .000 5.000 PTOTAL BETA BETA PCHMBR B PARAMETRIC DATA , 5330 , 000 , 000 , 000 , 000 MACH - ALPHA - DALPHA - Y SREF = 2690.0000 SQ.FT. XMSP = 1167.0000 IN. XS LREF = 1290.3000 INCHES YMSP = .0000 IN. YS BREF = 1290.3000 .NCHES ZMSP = 400.0000 IN. ZS SCALE = .0100 REFERENCE DATA

### RN/L - 6.63 RUN NO. 454/ 0

CYN	.00002	- 3002 <del>.</del>	00021	.00047	.00193	.00276	. 00012	00247	00610	00356
۲	00841	00895	-,00935	-,00968	01092	01310	01497	01447	01106	01700
CLM	.00132	62000.	.00018	00091	00200	00317	00245	. 00080	14.200.	00029
3	00773	00831	-,00907	-,00930	00922	-,00909	00926	01214	01150	00566
2	247	49.769	711.66	149.720	199.780	300.210	400.370	600.420	800.120	1000.0001
×	900.660	900.600	900,650	900.600	900.590	900.570	900.640	900.620	049.306	900.650

# IAI3 SPB(SB) W/O PLUMES SEPARATING FROM 09710

(RTJ344) ( 31 JUL 75 )

CE DATA
REFEREN

PARAMETRIC DATA	- 4.530 PTOTAL -		DALPHA000 DBETA5.000	
	1167.0000 IN. XS	INCHES YMMP	400.0000 IN. 25	
	•		•	
2	OBJECT Y	Y	2H2	
REFERENCE DATA	2690.0300	1290.3000 INCHES	1290.3000 INCHES	0010.
	- 1385	•	•	W
	385	LREF	BREF	SCALE

#### RN/L . 8.'? RUN NO. 455/ 3

CYN	.01432	.01536	01376	71169	.00928	.00768	.00677	.00255	.00031	.00358
ò	.04288	11650.	.03840	.03885	91040.	.03734	.03468	. 03302	.03102	.02478
CLR	.00390	<b>3</b> 6100.	00064	00120	00082	00152	00344	00143	12400.	00068
š	01678	01410	01081	01142	01345	01275	00786	00884	01541	-,00501
~	168	49.811	99.750	149.780	199.830	300.250	400.390	600.530	900.160	999.980
×	412.	<u>\$</u>	. 220	₹.	.208	. 326	£04.	.341	ν. L	259

(RTJ344) (31 JUL 75 )

DATA	PT07AL = 110.000 BETA : .000 DRETA : -5.000 PC141BR : .000																																			
PARAMETRIC DATA	200.005																																			
	MACH ALPHA DALPHA Y		N.C	01609	.01691	.01759	.01735	01608	64800	.00478	.00061	. 00335		Z,	¥0010.	₹0010.	66600'	.01008	<b>5</b> 6600 .	62010.	.01173	9+920.	.00≥≥¥	.00158		CYN	.01123	.00973	62800.	.00818	.0000	.00757	.00758	€+800	S1400.	.0011
			5	.03020	. 028 <b>49</b>	.02757	.03008	55433	03365	.03185	.03178	. 02531		Ç	01930	.01576	.01528	.01561	.01693	. 02581	18480.	.03179	.03161	.02871		Շ	.01355	.01327	.01325	.01339	.01378	.01767	.02437	.03234	.03061	PC080.
			C.	00047	<b>5</b> 0000.	00028	00276	00412	56500	-, 00381	. 00138	.00057		F.	00342	00≥43	-,00198	00152	00162	00257	00490	00387	00144	.00383		£,	00383	00464	00396	00278	00183	00164	00158	00530	00374	60200.
		6. K	ક	6+010	01262	01302	7:010	01030	01055	00570	01197	00697	6.62	ટ	0059.	00659	00551	00637	00631	00940	01209	00838	00836	01359	6.62	ક	00343	00171	00217	00328	00428	+5+00·-	008 <b>46</b>	01022	00512	01230
	1167.0000 1N. YS .0000 1N. YS 400.0000 1N. ZS	RN/L	2	.107	50.108	100.160	150.220	200.380	399.460	599.440	739.520	999.540	RN/L	7	. 163	50.023	100.020	149.930	199.410	293.040	400.660	600.470	800.530	939.990	FN/L .	2	091	50.019	198.66	149.890	199.940	299.970	400.470	601.080	798.890	999.430
ATA	XXXXX • 1167. YM3P • 400. ZM3P • 400.	RUN MO. 156/ 0	×	330.140	300.440	300.400	300.570	300.350	300.340	300.320	300.380	300.480	RUN NO. 457/ 0	×	600.570	600.460	600,490	600.470	600.380	600,290	600.730	600.570	600.650	600.630	RUN NO. 4587 0	×	900.560	900.660	679.006	900.080	900.630	900.720	900.690	900.730	900.530	900.600
REFERENCE DATA	SRE: - 2690.0000 50.FT. LREF - 1290.3000 INCHES BREF - 1290.3000 INCHES SCALE0103																																			

(RTJ345) 131 JUL 75 1

# 1A13 SPB(SB) H/O PLUMES SEPARATING FROM 09110

	. 110.000																																				
C DATA	PTOTAL BETA DBETA PCHMBR																																				
PARAMETRIC DATA	4,530 .000 .000 .000																																				
	MACH ALPHA DALPHA •		CYN	. 00150	.00329	.00399	.00500	.00576	.00516	.00336	00099	.00233	94€00.		Š	.00528	.00530	.0057¥	.00603	16500.	.00633	.00585	.00156	00051	.00348		Š	56210.	.01226	17010.	₹1600.	0.00810	. 00723	16900	81700.	41000°	. 00280
			۲	.0.4497	.04157	€+6€0.	.03672	.03416	.03275	.03307	.03506	.02640	. 02452		Շ	.04360	.04237	2+0+0·	.03859	.03760	.03420	.03238	.03315	.03216	.02431		Շ	.03891	.03859	£06£0.	.03890	.03745	.03553	.03305	. 93107	.03223	. 02590
			5	01500.	.00103	.00026	00036	00!15	00161	00115	.00221	.00113	00072		5	.00201	57500.	.00186	₩000.	000+3	00164	00221	00017	. 00341	00064		£,	00090	00054	11000.	54000.	1+000	00037	00170	00227	.00137	.00091
	x5 7.5 2.5	6.63	ક	01096	00811	00766	00739	00634	00587	00699	01168	00833	00510	6.63	ક	01130	01298	01190	00995	00862	00644	00595	00906	01349	00508	6.63	ટ	00652	0088	01078	01094	01066	01100	00825	00662	01107	00780
	1187.0000 IN. X .0000 IN. Y 400.0000 IN. 2	PR/L	2	286	50.105	109.130	150.180	200.160	299.960	399.960	599.730	799.740	1000.100	RN/L .	2	021	49.998	99.827	150.100	199,990	299.870	.400 1 00	500.150	800.056	939.860	RN/L	7	.021	50.239	100.140	149.970	200.040	300.260	399.940	599.810	799.710	939.610
⋖	XHRP • 1167.	RUN NO. 462/ 0	×	611.	.231	Æ	923.	.136	571.	8	. : 30	.236	.346	RUN NO. 4617 0	×	300.4CO	300.410	300.370	300.430	300.380	300.450	300.430	300.430	300.450	300.440	RUN NO. 450/ 0	×	600.620	600.440	60°.540	600.520	500.500	600.550	600.490	630.540	800.480	600.340
REFERENCE DATA	2695.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES	œ												Æ												æ											
	SREF BAREF SCALE																																				

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PAGE 413

	110.000 .000 .5-000		JK 75 ,	000.011
OATA	PTOTAL • BETA • DBETA • PCHMBR •		(RTJ3v6) ( 31 JUL 75 METRIC DATA	PTOTAL BETA DBETA PCHERR
PARAMETRIC DATA	4.530 000.000 400.000		(RTJ346) Parametric data	0000 0000 0000
	HACH ALPHA - DALPHA -	01337 01239 01239 01278 01278 0120 001150 00009 00009		MACH ALPHA - DALPHA -
		CY .03309 .03237 .03255 .0376 .03562 .03682 .03088	10H 09T10	
		CLM - 00169 - 00232 - 00172 - 00131 - 00167 - 00206 - 00328 - 00070	IAI3 SRB/SB) W/O PLUMES SEPARATING FROM 09T10	
	6.63	. 00462 . 00529 . 00713 . 00914 . 01073 . 01287 . 01611 . 00637	O PLUMES SE	
	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS 99. 0 GN/L *	2 - 311 49.934 99.834 149.950 199.670 300.250 400.170 600.300	SRBYSB) W	1187.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS
	, , ,	x 900.620 900.650 900.580 900.520 900.720 900.740 900.730	1 A I	1167
<b>*</b>	XHRP YHRP ZHRP RUN NO.		<b>Y</b>	XXXXXX XXXXXX XXXXXX
PERENCE DATA	SREF = 2690,0000 SQ.FT. LREF = 1290,3000 INCHES SCALE = .0100		REFERENCE DATA	SREF • 2990,0000 50,FT. LREF • 1290,3000 INCHES SCALE • 1290,3000 INCHES

 RUN NO. 464/ 0
 RN/L •
 6.53

 X
 Z
 CN
 CLM
 CY

 300.480
 399.880
 -.01295
 -.00609
 .03028

 300.420
 599.834
 -.00292
 -.00498
 .03183

 300.400
 798.890
 -.31015
 -.00050
 .03068

 300.410
 999.210
 -.01149
 .00295
 .02505

.01011 .00548 .00158

CYN .00881 .00394 .00100

.03367 .03335 .03028

-.00457 -.00475 -.00475 -.00301

CN -.01575 -.00602 -.01496 -.00499

2 401.730 600.680 800.360 999.960

323 392 392 369

6.63

. ₹

463/ 0

₹. 80.

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1A13 SRB(SB) W/O PLUMES SEPARATING FROM 09710

DATE 02 AUG 75

IAIS SOURCE DATA

<u>.</u> PAGE

(31 JAL 75

(RTU347)

## IAI3 SABISB) M/O PLUNES SEPARATING FROM 09710

	.000 .000 -5.000			ě		000.011		
				(3) JAL 75				
C DATA	PTOTAL BETA BETA PCHABR				DATA	PTOTAL BETA DBETA PCHMBR		
PARAMETRIC DATA	000°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°			(RTJ34B)	PARAMETRIC DATA	. 530 . 000 . 000		
	ALPHA .		CYN . 00247			MACH ALPHA -		CYN .01102 .00463 .00050
			CY . 0≥482	ROM 09710				.06982 .06970 .06681 .05974
			CL™ .00009	EFA9ATING F				
		6.63	CN 00662	1A13 SABISB) W/O PLUMES SEFARATING FROM 09T10			6.83	CN 02224 00910 01524 00612
	1187,0000 IN. XS .0060 IN. YS 400.0000 IN. ZS	- J/Kg	2 800.030	H (85)		1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	FN/L .	2 399.850 600.810 800.280 000.000
	.0000 IN.		800	£. 28		0000	Æ	2 399.850 600.810 800.280 1000.000
		RUN NO. 470/ 0	X 900.670	₹		1167	471/0	236 250 155 114
	X1489 X1489 X1489	Š	8			XHRP YHRP ZHEP	PE 70.	
REFERENCE DATA	SO.FT. INCHES	\$			REFERENCE DATA	SO.FT. INCHES INCHES	Ş	
<b>36</b>	2000,0000 1290,3000 1290,3000				REFE	2690.0000 1290.3000 1290.3000		
	BREF BREF SCALE					SAEF . LREF . BAEF . SCALE .		
	~ ~ ~ w					$\alpha = \alpha$		

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.00645 .01032 .00316

.05488 .06792 .06868

-.00638 -.00684 -.00284

CN -.00590 -.01635 -.00923

2 400.050 601.880 800.820

x 600,560 600,940 600,810 600,600

CYN . 01306 . 00751 . 00086

.06511 .06715 .06822 .05968

CLM -.00503 -.00382 -.00043

CN -.01754 -.01423 -.01080 -.01017

2 359.280 598.380 798.560 899.170

X 300.210 300.250 300.150 300.350

6.63

RUN NO. 4737 0

8.63

12/4

Š ₹

# 1A13 SP8:581 H/O PLUMES SEPARATING FROM 09T10

IAIS SOURCE DATA

DATE 02 AUG 75

n. a

#### 000.011 (RTJ349) ; 31 JUL 75 1 BETA -DBETA -PCHHBR --PTOTAL -PARAMETRIC DATA 000 000 000 MACH ALPHA DALPHA T .00518 .01000 .00579 .05119 .06466 .06718 1413 SRB(SB) M/O PLUMES SEPARATING FROM 09110 -.00211 -.00385 -.00417 CN .00028 -.01883 -.00934 6.63 X YHQP • 1:67.0000 IN. XS YHQP • .0000 IN. YS ZHRP • 400.0000 IN. ZS 2 399.290 599.850 798.760 998.790 RUN NO. 474/ 0 X 900,440 900,520 900,550 REFERENCE DATA SYEF = 2690.0000 50.FT. 1 LREF = 1290.3000 INCHES 1 BREF = 1290.3000 INCHES 2 SCALE = .0100

REFERENCE DATA

PARAMETRIC DATA

.000 .000 .000 .000																	
PTOTAL = BETA = DBETA = PCHMBR =																	
*.530 .000 .000																	
HACH ALPHA DALPHA •		Ç	01829	£+010.	.0000	.00323	00036	\$1 <b>500</b> .		N.	.02288	.02295	.02327	.02405	.02325	.01759	21116
		Շ	. 06567	.07322	1,070.	.0709	. 06838	.05967		Շ	. 05796	05538	.05387	.05357	.05832	1 890.	00170.
		ភ	00360	00029	-, 00296	00182	.00375	00054		E C	₹6000`-	96000:-	00101	-,00324	00567	00531	00221
	6.64	8	01113	01931	01062	00358	01536	00603	3.64	8	01158	01215	01268	€*600	00655	71710	01675
1167.0000 1%. XS .0000 1N. YS 400.0000 1N. ZS	FBN/L	7	199.710	300.660	400,400	600.590	800.140	1000.000	RN/L	7	133	49.849	99.863	009 641	198.980	300.470	400,750
	475/ 0	×	.283	.375	694.	36.	.301	721.	0 /11	×	300.370	300.430	300 360	300.010	300,380	300,580	300.690
deliki AMMA AMMA	PEN NO.								RUN NO.								
SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	···								u.								

.00512 .00028 .00407

.06954 .06946 .06013

-.00307 -.00100.

-.00936 -.01277 -.00929

600.510 800.440 1000.100

300.640 300.460 300.320

DATE 02 AUG 75

# IAI3 SABISB) W/O PLUMES SEPARATING FROM 09710

### (RTJ349) (31 JUL 75 )

PARAMETRIC DATA	30 PTOTAL • 110.000 00 BETA • .000 00 DEETA • .10.000 00 PCHMBR • .000													
PARAME	масн • 4.530 АLРНА • .000 БАГРНА • .000 Y		CYN	₹210.	.01309	.01339	.01334	94410	67510.	.01587	ુખ800'	.00248	10100.	
			გ	.04284	92040.	<b>₹</b> 20≅0°.	. 04254	04413	.05511	,06697	.06702	. 06829	.06537	
			¥.Ω	00369	00330	00301	17500	C0233	00378	00519	+.00264	00133	.03367	
		₽.6	ક	00793	~.00532	00426	60420	-,00406	00821	01155	01332	0099 <b>5</b>	01390	6.64
	1167.0000 11.1 XS .0000 IN. YS 400.000.00+	RN/L -	2	052	49.601	1+8.66	150.110	199.950	300,779	400.840	599.650	799.190	939.160	RN/L .
	XMRP = 1167.0 YMRP = .400.0	RUN NO. 478/ 0	×	600.600	600.420	600.480	600.550	500.610	600.950	600.850	600.230	600.330	600.430	RUN NO. 479/ 0
REFERENCE DATA	SARF = 2690,0000 SQ.FT.  LREF = 1290,3000 NCHES  SCALE = .0100	æ												. A.

CY .04969 .04581 .04581 .04720 .05394 .05336 .05805 .05805

CLM -.00239 -.00305 -.00345 -.00157 -.00157 -.00559 -.00559 -.00559

CO - 00905 - 00906 - 00096 - 000873 - 009073 - 009073 - 009073 - 009073 - 009073

50.209 100.150 150.149 150.149 299.420 299.420 591.020 601.020

x 900.820 900.710 900.550 900.700 900.700 900.700 900.600 900.600 3 Ŋ

31

DATE 02 AUG 75		[1]	Sounce	IAI3 SOURCE DATA							a.	PAGE 419
				1413	1 (85)865	1A13 SRB(SB) W/O PLUMES SEPARATING FROM 09110	EPARATING F	ROM 09710		(RTJ350)	50) (31 AL	JAL 75 1
	REFERENCE DATA	<b>4</b>								PARAMETRIC DATA	C DATA	
SPEF = 2690. LPEF = 1290. BPRF = 1290. SCALE =	2690,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES 0100	XMRP XMRP		.0000 .0000 400.0000	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH ALPHA - DALPHA - Y	4.530 .000 .000 .000	PTOTAL - BETA - DBETA - PCH*-88 -	000 · 01 - 000 · 011
	•	<b>3</b> <b>3</b>		0 /00%	RN/L .	6.63						
			×		7	8	<b>4</b> 5	Շ	CAN			
			900.460	<u>Ş</u>	. Q42	00616	00179	.05995	.02073			
			900.580	8 2	50.267	00653	00233	. 06052	.01953 87810			
			900.670	073	150.120	00885	00214	. 06227	.018-7			
			900.700	00,	200.150	96600'-	00197	.06407	.01821			
			900.730	30	300.290	01070	00297	. 06790	.01658			
			900.500	9 5	400.050	01264	00215	107051	.01159			
			000 440	0 0	700 600	- 00063	- 0000	19190	67/00.			
			900.510	0 .	009.4.666	01315	06200	0.00840	500000			
				[A13	SP8(S8) H	IAI3 SPBISB) W/O PLUMES SEPARATING FROM 09TIO	PARATING FR	OH 09710		(RTJ351)		(31 JAL 75)
_	REFERENCE DATA	. ✓								PARAMETRIC DATA	: DATA	
SPEF • 2690.0000 LPEF • 1290.3000 BPREF • 1290.3000 SCALE •	2690,0000 50.FT. 1290,3000 INCHES 1290,3000 INCHES ,0100	X1489		167.96 .00.00	1167.0000 IN. XS .0000 IN. YS \$00.0000 IN. ZS				MACH ALPHA DALPHA •	4.530 .000 .000 .000	PTOTAL = BETA = DBETA = PCHMBR =	000 01-
	Œ	ALN NO.		0 /£84	BN/L	<b>5</b> .9						
			×	<b>.</b>	2 800.170	CN 00590	CLM 30052	CY .05782	CYN			
	æ	PAN NO.		0 / 10 7	RN/L	<b>9</b> .6						
			300.440	ç	<b>2</b> 799.960	CN 00598	CLM 00049	CY .05789	CYN .00420			
	Œ	9 2	<b>483</b> /	0 '	BN/L.	6.63						
			X 600.590	6	068 66/. Z	CN 00781	CLM .00045	CY .05896	CYN .00334			
	æ	PUN NO.	<b>486</b>	<b>9</b>	PN/L .	9.9						
			049 CO6		2 300.006	CN - 01114	CLM .00222	<b>CY</b> . 06 <b>8</b> 15	CYN 7.00180			

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h. 0

PARAMETRIC DATA

## 1A13 SRB(SB) M/0 PLUMES SEPARATING FROM 09710

	000.001 0000.05-								
	PT0TAL = BETA - DBETA - PCH4BR -								
	000.00d								
	MACH ALPHA - GALFHA -		CYN.		CYN 30 <b>568</b>		CYN 00866		CYN 00637
			CY . 15207		CY . 1649*		CY . 17289		CY . 1708¥
			CLM 00013		CLM .00372		CLM .00291		CLM .001 <b>67</b>
		6.64	CN 0068%	6.6k	-,01411	\$.0		£9.0	CN 01327
	1167,0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	RN/L	2 800.220	- 7/ <u>&amp;</u>	2 799.990	RN/L -	<b>2</b> 08.830	FN/L -	Z 800.030
	1167.0	FLM NO. 4877 0	x -	RUN NO. 486/ 0	X 300.250	RUN NO. 1897 0	X 600.870	RUN NO. 490/ 0	X 900.710
<b>₹</b>	XHED XHED	FIR NO.		8 8		ž		3	
REFERENCE DATA	2600.0000 50.FT 1290.3000 IND-ES 1290.3000 IND-ES .0100								
	SPEF • LREF • BPREF • SCALE •								

## (A13 SRB. 78) M/O PLUMES SEPARATING FROM 08110

REFERENCE DATA

(RTJ353) (31 JUL 75 )

PARAMETRIC DATA

000.004		
MACH ALPYA -		CYN . 01118 . 00837 - 00011 - 00028
		. 16132 . 16132 . 16994 . 16921 . 15412
		00097 00192 .00046 .00483
	6.63	CN 01132 01052 01394 01772 00611
2X 'F' 0000 005 0000 000 SZ 'NI 0000 005	- 7/6/4	2 299.780 400.170 599.830 800.080
1167.6	0 / 56,	x 0.097 0.0192 0.1034
XHEB YHEB ZHEB	₹ 80	
SO.FT. INCHES INCHES		
2650,0000 1290,3000 1290,3000		
SPEF LPEF BRREF SCALE		

000.011

PTOTAL BETA BETA BETA PCHROR

DATE 02 AUG 75

(31 JL 75

(RTJ353)

_
F. P.
SEPARATING
PLUMES
ž
588(58)
1413

	.000 - <b>20</b> .000																																				
DATA	PTOTAL • BETA • OBETA • PCHMBR •																																				
PARAMETRIC DATA	000. 000. 000.																																				
	MACH ALPHA OALPHA T		S.Y.	. (3696	. 33682	.03512	. 03095	.02638	.01720	.01069	90400	00548	.00100		CAN	03858	68450	03140	.02877	.02602	.02159	.01350	.00675	00242	003		ž	40080	64750.	.02446	. 02293	.02195	.02113	.01815	.00829	.00135	00474
			۲	. 12588	. 12194	. 12311	. 12931	. 13842	15171	.16310	. 16592	.17128	.15470		č	11884	. 12232	. 12800	. 13301	.13798	14574	9+651.	.16325	. 16922	.16537		5	.11970	. 12213	.12746	. 13242	.13812	. 14732	. 15543	. 16490	.16858	. 17007
			C.	.00166	+0000.−	00275	00481	00552	00498	00228	00116	. 00272	£6000·		C.H	00278	00491	00540	00552	00579	00607	00425	00191	06000.	.00421		S.	00280	00443	00470	00496	00518	+7+00	00510	00254	00098	.00306
		6.63	8	01357	01035	00652	00379	00260	00424	00988	01271	01638	00827	6.63	Ş	00761	00359	00220	00297	00312	00262	00781	01250	01458	01510	6.63	ટ	00693	00274	00120	C5000'-	00178	00530	00686	01282	01300	01528
	187,0000 IN, X8 .0000 IN, YS .000.0000 IN, ZS	RN/L .	2	006	49.782	93.621	149.870	199.880	299.890	399.820	599.830	800.560	1000.200	RN/L .	*	.248	50.031	99.983	150.180	199.980	239.950	400.210	600.0 <del>5</del> 0	799.530	999.100	RN/L -	2	.016	50.05	99.30€	149.840	139.600	299.410	400.000	600.280	800.590	1000.200
E DATA	XMSP = YMSP = ZMSP =	RUN NO. 491/ 0	×	300.550	300.280	300.270	300.180	300.180	300.060	300.630	300.080	300.670	289.390	RUN NO. 4927 0	×	600.160	600.220	600.370	600.430	600.400	600.430	600.540	600.060	600.030	600.160	RUN NO. 493/ 0	×	900.600	800.550	900.370	900.210	060.006	900.210	900.820	900,900		900.900
REFERENCE DATA	BMEF = 2494.0000 80.PT. LMEF = 1290.3000 INCHES BMEF = 1290.3000 INCHES SCALE = .0100																																				

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	.000 .000 -20.000							
DATA	PTOTAL BETA DBETA PCHMBR =							
PARAMETRIC DATA	.000 .000 .000							
•	HACH ALPHA DALPHA T		CYN .01125 .00041 00018		CYN .01353 .00463 00236		CYN . U6306 . 00996 00139	CYN 00004 .01130 .00177 00185
			. 17113 . 17122 . 15704 . 15480		CY .15988 .16960 .16418		. 14719 . 17110 . 16905 . 15645	CY . 14258 . 16295 . 16382
			CLM 00895 .00187 .00346 00054		CLM 00509 00346 .50308 00043		CLM .00059 00874 .00212	.00070 00594 00187
		6.63	CN 01942 02535 01419 00580	6.63	CN 01174 02332 01784 00550	6.63	CN 00472 02190 02225 01140	CN 00424 01297 02078
	1167.0000 IN. XS .3000 IN. YS 400.0000 IN. ZS	RN/L .	2 399.880 601.820 800.010	RN/L .	2 397.580 599.870 800.030 998.920	RN/L -	2 699.790 801.400 1000	2 399.750 599.980 799.910
	XX.99 " 1167. YMRP "	RUN NO. 485/ 0	x .145 .1.174 .292	NO. 496/ 0	x 299.780 300.020 300.500	RUN NO. 499/ 0	2000	899, 980 900, 240 900, 180 999, 980
REFERENCE DATA	2690.0000 SQ.FT. XY 1290.3000 INCHES YH 1290.3000 INCHES ZH .0100	2		RUN NO.		RUN	å	
	SREF = 1 LREF = 1 BREF = 1 SCALE =							

## 1413 SRB(58) M/O PLUMES SEPARATING FROM OBTIO

	. 000 . 000 -20.000 . 000			
	-20			
DATA	PTOTAL BETA DOBETA PCHIBR			
PARAMETRIC DATA	4.530 .000 .000 .000			
	MACH ALPHA - DALPHA - Y		.01074 .00134 -,00415	
			. 16414 . 16976 . 16967 . 15535	
			CLM 00451 .00021 .00453 00065	
		8.64	CN 01328 01789 01733 0601	6.64
	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	RN/L .	2 400.400 598.800 798.700 899.609	RN/L
	3.1167.0 9 400.0	0 /864	× .049 -221 -490 -396	0 /264
DATA	APPRO APPRO	RUN NO.		FUN NO.
REFERENCE DA	ESO. 0000 SQ.F1 1290.3000 INCHE 1290.3000 INCHE			
	SPEF • SPEF • SCALE •			

.01315 .00563 00366		CYN .01434 .01531 .06539 00127
. 16495 . 16781 . 16854 . 15488		CY .11525 .13766 .15968 .15509 .17048
CLM 00540 00240 .00289		00565 00512 00472 00472 00472
CN 01189 01609 01804 00770	8.64 9.04	CN .00598 .0024400815014620182201491
2 400.230 559.850 800.790 999.840	RN/L -	2 000.000 000.000 000.000 000.000 000.000
X 300.910 300.210 300.680	RUN NO. 502/ 0	800.6 ) 600.6 ) 600.7 0 600.73 0 600.970

RN/L - 6.64

RUN NO. 5017 0

RUN NO. 497/ 0

CYN	.01958	.01865	. 31352	.00732	. 00755	.00631	£6600°	.01167	.00256	00321
Շ	. 08165	.07867	.09057	.10657	. I 23	12986	.14363	.16561	.16865	. 16718
CLM	0023¢	00323	00659	00398	00341	-,00292	00329	00626	00177	.00301
3	+8600′-	00215	<b>↑</b> 1600°	18500.	.00510	*B*00.	00004	01615	01577	01565
2	.471	50.553	100.220	150.060	200.030	299,970	400 080	599.860	799.820	1000.200
×	900.780	900.270	900.150	900.240	899.620	900, 850	900,880	900,300	900,420	699.690

# IAI3, SRB (58) HITH PLUMES SEPARATING FROM 09710

LAUE JES

(RTJ358) ( 31 JUL 75 )

PARAMETRIC DATA

### REFERENCE DATA

MACH -ALPHA -DALPHA -XH789 = 1167.0000 IN. XS YH89 = .0000 IN. YS ZH89 • 400.0000 IN. ZS SHEF = 2690,0000 SQ.FT, X LREF = 1290,3000 INCHES Y BREF = 1290,3000 INCHES ZX SCALE = 0100

PT0TAL = 28.900 BETA - .000 DBETA - .000 PC+9R = 1500.000

4.510 .000 5.000

### RUN NO. 511/ 0 RN/L \* 1.74

×	2	3	5	Շ	CYN
418.	058	00157	01083	.00868	.0008
.457	49.815	. 00268	00868	.00636	00313
.370	99.88	24L00.	00282	.000.93	00411
319	150.120	.01149	+1000·	66100	00362
348	200.370	.01570	₩9000.	.00323	00213
.517	298.580	.00962	E+600	.01301	.00691
151.	400.360	00595	02179	. 02535	.01502
675	600.400	00320	00859	.01754	.00539

### RUN NO. 514/ 0 RN/L + 1.74

						-,00588		
Ç	.01517	.00666	66+00.	<b>.0008</b>	.00165	.00955	.01059	. 02229
H <sub>T</sub> O	00526	00565	04400-	00217	00087	.00200	00155	02329
3	C0578	-,01261	01812	00239	.00222	.00708	1.010.	0082€
2	152	50.138	100.420	150.390	200.050	299.970	398.200	600.290
×	900.750	900.770	900.670	900.770	900.670	900.820	900.930	899.820

2
SEPARATI
PUES
Ξ
SBOR
A13.598(S8)H1
[A13.

IA13 SOURCE DATA

DATE DE AUG 75

HQ:

PARANETRIC DATA	MACH = 4.510 PTOTAL = 28.900 ALPHA = .000 BETA = .000 DALPHA = 5.000 DRETA = .000 Y
REFERENCE DATA	SQ.FT. XPSP = 1187.0000 IN. XS INCHES YPSP = .0000 IN. YS INCHES ZPSP = +00.0000 IN. ZS
REFE	. 290.0000 9 1 1 290.3000 1 1 290.3000 1 1 290.3000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	SCALE .

### RN/L . 1.77 RUN NO. 512/ 0

CYN	.01391	.01256	01310	01310.	.01325	77010.	.00730	00400
Շ	.03630	.03515	. 03311	. 02899	. 02713	. 02376	. 02173	. 02003
5	00779	00856	81600'-	01119	01222	91600	00835	0069+
8	.00157	68£00	.0046₹	.00643	. 00672	02600.	.00290	00015
2	611.	50.589	100.790	150.560	200.850	301.030	400.730	599.930
×	8C.	.32	. 285	.311	<b>₹</b> 8.	.396	.310	.397

#### RN/L - 1.77 RUN NO. 515/ 0

**500.	00358	00399	-,00257	00031	.01153	.01817	.00866
. 02658	00108	10106	92	.00087	. 02421	.03635	.0184
<b>→</b> 0600 · -	1.000te	00+35	00365	00325	00674	01437	01157
00453	1+100	.00147	.00310	.00304	.00041	00770	67800.
-1.273	56.382	100.000	150.330	200.200	300.440	400.960	597.730
900.100	900.830	900.800	900.710	900.800	900.650	900.680	900.850
	-1.2730042300904 .02656	-1.2730042300904 .02656 50.382001410054400108	56.3820042300904 .02658 56.382001410054400108 100.000 .0014700435 10106	56.3820042300904 .02658 56.382001410054400108 100.000 .0014700435 10106 150.330 .0031000365	56.382001410054400108001080010000108	56.3820014100544001050050560010700544001050010500503000105001	900.830 56.3820040300904 .02656 .00944 900.830 56.382001141005440010600328 900.800 100.000 .00147005440010600328 900.800 100.000 .0014700355 5200339 900.710 150.330 .0031000355 5200339 900.650 300.440 .0004100674 .00635 .01631 900.680 400.9600077001535 .03635 .01817

(31 JUL 75)

(ATJ360)

SREF = 2690.0000 SO.FT. XYMP - LREF = 1290.3000 INCHES YMMP - BREF = 1290.3000 INCHES ZYMP - SCALE = .0100	× × × × × × × × × × × × × × × × × × ×	1167.0000 IN. XS .0C.J IN. YS .0C.J IN. YS .0C.J IN. ZS .0C.J IN. ZS 20. Z .065 23 99.569 24 199.640 253 99.362 247 299.400	1.73 CN .00963 .01027 .01189 .01139	CLM 00523 00603 00719 00773	CY .02364 .02219 .02143 .02037	MACH - DALPHA - OALPHA - OALPHA - Y  CYN . 000+31 . 000+83 . 00529 . 00529 . 00529 . 00529 . 00529	 PTOTAL BETA BETA PCHETA PCHEMBR	28.900 .000 .000 .1500.000
	. 193	399,990	.00312	00624	.02054	.00298		

CYN 01545 01701 01650 01650 01650 01518

.03050 .03005 .02904 .02896 .02897 .02775 .02734

-.00731 -.00731 -.00681 -.00718 -.00984 -.00934 -.00931

CN .00792 .00309 .00309 .00319 -.00341 -.00720 .00717

2 - .056 +9.876 99.639 149.850 200 - 30 300.030 400.280

800.740 900.740 900.740 900.840 900.720 900.770

RYL.

RUN NO. 516/ 0

- 1

DATA
SOURCE
73

DATE 02 AUG 75

1A13, SABISBINITH PLUMES SEPARATING FROM 09T10

### PA0E 427

(RTJ361) ( 31 JUL 75 )

	REFERENCE DATA	ATA				PARAMETRIC DATA	DATA	
• 4346	269C.0000 SQ.FT.	Z PR	٠	1167.0000 IN. XS	# HACH	4.510	PTOTAL -	<b>58</b> .900
L.E.F - 1290	3000 INCHES	= 4844 S		YHRP = .0000 IN. YS	ALPHA .	000.	. 000 BETA ≈ .000	000
BREF			y	ZMPP - +00.0000 IN. ZS	DALPHA .	-5.000	OBETA -	000
SCALE -	.0100				• >-	000	PCHMBR .	1500.000

### RUN NC. 327/ 0 RN/L = 1.74

×		7	3	£,	CY	Š
•	426	49.985	03064	01080	66900	.00547
"	533	99.879	02494	00905	.00743	6+200
•	381	150.030	01884	00628	76100.	.00188
•	385	200.320	01931	00691	. 00058	₩6000.
•	.315	300.330	03153	01431	.00843	.00601
-,	ž	400.080	06556	02893	.01760	.01541
••	550	601.890	04581	02402	.01672	.00812
1	317	901.280	04631	02074	.01520	.00864
T.	910	1000.100	04261	02135	.01 701	.00672

### 9UN NO. 525/ 0 RN/L \* 1.74

×	Z	ટ	C.	Շ	CYN
300.540	570.	01427	00635	₩9+00	.00636
300.330	۶۲. J	01967	11600	.01189	.31106
300.540	3.056	02152	00751	15700.	.00599
300.420	147.640	01496	00267	00012	S+000.
300.500	200.250	01525	90153	00199	00001
300.360	297,980	¥6080	1,00644	.00350	.00236
300.370	399,990	04428	02550	.01492	.00950
30(.350	600.000	04304	02436	.01420	.00560
300.90	801,490	04855	02119	. 01542	.00782
299.610	Lu. 3001	614437-	02150	.01662	.00760

### RUN NO. 517/ 0 RN/L + 1,74

S.	.01032	.00615	.00057	64000	.00025	.00531	.00866	.00724	.00793
۲	.01408	.00830	00143	00286	CZ200.	.00958	.02592	.01339	.01574
CLM	01306	00857	-,06393	00250	00500	01290	03528	02041	02166
ž	02153	01113	₹770C	01354	01337	02705	05636	04939	04570
7	51.181	100.510	149.130	198.490	299.750	397.510	600.22L	801.150	999.890
×	600.690	600.720	600.640	600.640	600.630	600.390	600.540	Car jord	599.84¢

REFERENCE DATA

SPEF LPEF BREF SCALE

### (181.J381)

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DAT	
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PTOTAL - 28.900 BETA000 DBETA000 PCHMBR - 1500.000											
4.510 .000 -5.000											
HACH ALPHA BOALPHA P		CYN	.0042 <b>8</b>	. 00205	00270	00223	20000.	. 60321	.01167	.00562	.00708
		Շ	.01831	.00576	.00523	.00388	.00166	.00556	90620.	.01244	.01508
		¥ J	00833	01161	00683	66400'-	00490	00787	04464	02156	02175
	¥.:	ક	01386	01798	00478	00490	01023	02192	06623	04644	-, 04469
.0000 IN. YS .0000 IN. YS .0000 IN. S	RN/L .	2	49.959	100.210	149.770	199.440	300.440	400.970	599.970	800.130	989.580
1167	. 518/ 0	×	900.940	900.740	900.700	900.920	900.740	900.850	900.690	900.900	900.640
X 4899	PCN NO.										
SO.FT. INCHES INCHES											
2690,0000 90,FT. 1290,3000 INCHES 1290,3000 INCHES											
 W											

# IAI3, SRB (SB) HITH PLUNES SEPARATING FROM 29110

(RTJ362) (31 JUL 75)		28.900	000.	000.	1500.000
3		•	•	•	•
ت د	DATA	PT0TAL	BETA	<b>DBETA</b>	PCHEBR
(RTJ362	PARAMETRIC DATA	4.510	000	-5.000	200.002
			•	•	•
		#CH	ALPHA	DALPHA	>
FROM :)9110					

REF	REFERENCE DATA	ATA										PARAMETRI
2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100	D SO.FT. D INCHES D INCHES			9 9	. 1167.0000 IN. XS .0000 IN. YS .400.0000 IN. ZS	<u> </u>	SX XS				MACH ALPHA DALPHA	4.510 .000 -5.000
	•	SUN NO	4,	8	RUN NO. 528/ 0 RN/L + 1.78	ļ		1.76				
			*	×	7			3	ş	Š	CX	
				ģ		50.056	100	04896	02029	₹ <b>96</b> 10.	.01931	
				980		001		20130	10010	200	66060	

SAEF LREF BREF SCALE

.01882 .01426 .01070 .00736 .00614 . 02033 .01963 .02149 .01732 .01445 .02068 -.01901 -.02234 -.02308 -.02348 -.02270 -.02166 -.05386 -.04959 -.05001 -.04781 -.04712 -.04602 100.470 151.170 201.030 301.920 400.680 600.010 799.980 . 204 . 204 . 307 . 308 . 337 . 336 . 356

\*1

PAGE 429

(RTJ362) ( 31 JAL 75

# IA13, SRBISBINITH PLUMES SEPARATING FROM 09110

	28.900 . 000 . 300 . 1500.000																								
DATA	PTOTAL BETA OBETA PCHMBR •																								
PARAMETRIC DATA	4.510 .000 -5.000																								
	HACH ALPHA DALPHA		CYN	. 02001	. 02246	. 02422	.02493	. 02384	. 02225	.01755	. 00852	80700.	. 00660		CYN	.01309	.00831	.00734	67100.	.01345	.01828	.02193	.00739	77700.	61700.
			Շ	.03302	.03467	.03483	.03200	.03120	.03298	.01384	.01803	.01958	.01933		۲	.02364	.01211	.01232	.01291	.02296	.03485	. 03346	.01480	.01632	.01792
			C.	02436	02649	02679	02571	02698	03008	02335	02280	02163	02233		ş	02235	01867	01852	01719	02314	03345	03827	02156	02166	02218
		1.76	3	05041	05361	05510	05659	05818	06183	05719	04552	04693	04337	1.76	ઠ	64453	03890	03519	03104	03818	04884	06358	04477	04603	04430
	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	PBN/L	Z	-1.12¥	48.975	99.930	149.570	199.120	300.670	400.230	607.180	801.380	1000.100	FBN/L	7	.083	50.112	100.240	149.890	200.980	301.680	401.110	600.009	799.730	060 ' 666
REFERENCE DATA	SREF = 2690.0000 SQ.FT. XMRP = 1167.0 LAEF = 1290.3000 INCHES YMRP = .0 BREF = 1290.3000 INCHES ZMRP = 400.0 SCALE = .0100	RUN NO. 5197 0	×	300.410	300.430	300.470	300.370	300.360	300.440	300.370	300.410	300.5±0	299.530	RUN ND. 520/ 0	×	000.000	089.280	600.630	600.620	069.009	600.630	000.650	600.780	0.009	069 . 009

1.76 ġ Ş

×		3	5	<del>ن</del>	Š
900.780	1.169	03100	02456	.02181	.01728
900.75		02851	01268	. 00250	6×100°
900.82		02611	01083	.00062	.00000
900.78		02453	01017	0001 <b>8</b>	00088
900.72		- 02401	00932	00125	.00037
900.67		03253	01975	01910	.00856
900.62		05022	03329	.03215	.01629
)≥∵ . 006		05355	02587	52410.	.01332
900.76		04566	02120	.01413	.00784
900 800	0 999.740	- 04452	02199	.01516	.00733

ORIGINAL PAGE IS.
OF POOR QUALITY

(RTJ363) ( 31 JUL 75

11.4

## IAI3, SRB (58) WITH PLUMES SEPARATING FROM 09TIO

01358 01375 01275 01175 01175 01078 00092 000796

.02702 .02702 .02702 .02750 .02373 .02333 .01807 .01808 .01809

CLA - 02076 - 02093 - 02099 - 02111 - 01902 - 02095 - 02095 - 02157

CN - 04681 - 04833 - 04697 - 04697 - 04827 - 04827 - 04820 - 0

49.854 49.854 89.904 1149.790 199.770 299.970 399.960 800.670

800.470 600.570 600.590 600.510 600.60 600.60 600.60 600.60 600.60

SCALE . S	REFERENCE DATA 2690.0000 SQ.FT. 3 1290.3000 INCHES 7 .0100 RU	& & O	### 1167.0000 #### 1167.0000 #################################	IN. XS IN. XS IN. XS IN. ZS IN	H PLUKES SE CN 04668 05268 05268 05123 05123 05123 05123 05123 04461 04461 04438	CLM026300273602726027260272602726027260272602727	CY .03734 .03509 .03413 .03147 .03543 .01790 OH 09710	MACH - ALPHA - DALPHA - O 1095 .01347 .01444 .01499 .01499 .01499	PARAMETRIC DATA 1.510 PTOT 000 BETA -5.000 DBET 400.000 PCHM	AA AA AA AA AA AA AA AA AA AA AA AA AA	28.900 .000 .000 .1500.000
8 8 8 M	•	8 8 C	* 1167.0 .* *00.0 .* *00.750 .00.750 .00.710 .00.740 .00.740 .00.740 .00.740 .00.740	75 189 189 189 189 189 189 189 189 189 189	CN 0468 05101 0526 05268 05268 05382 05123 04611 04611 04611 04611	CLM 02630 02595 0271 02726 02726 02124 02179 02246	CY .03734 .03509 .03413 .03147 .03147 .03147 .01782 .01782 .016710 .01790	8 t a 8 t = 2 a a a a	PARAMETRII . 510 . 000 -5.000 . 000	A A B B B B B B B B B B B B B B B B B B	<b>X</b> 8
8 8 8 6 Li			522 0 52	75 128 280 100 100 100 100 100 100 100 100 100 1	CN CN 04668 04964 05101 05500 05500 05500 05621 04621 04621 04438	CLM026300259502771027710277202179021790217902246	CY .03734 .03509 .03413 .03413 .03714 .03943 .01782 .01790	8 C B B 4 E 8 B 5 B	0.00. 0.00. 0.00.000.	ETA - BETA - CHI9R - CHI9R - CHI9R - CHI9R - CHI9R - CHI9R - CHI9R - CHI9R - CHI9R - CHI9R - CHI9R - CHI9R - CHIPR - C	<b>8</b> 8
	α		x x x x x x x x x x x x x x x x x x x	7 1.29 50.266 100.160 150.310 290.270 299.880 399.650 800.0%0 999.950	CN CN 0468 05101 05101 05500 05500 05500 05682 05123 04611 04611 04451	CLM 02630 02595 0271 02726 02726 02124 02179 02124	CY .03734 .03509 .03413 .03147 .03714 .03714 .01782 .01782 .01671 .01790	CYN .01095 .01347 .01494 .01494 .01494 .01496 .00768	8	<del></del>	R
			x MOD . 750 MOD . 830 MOD . 810 MOD . 710 MOD . 740 MOD . 74	2 	CN - 04668 - 04964 - 05101 - 05268 - 05268 - 05200 - 05200 - 05200 - 05200 - 05200 - 05200 - 04621 - 04438 - 04438	CLM 02630 0293 0271 02771 0278 0278 0278 0278	CY .03734 .03509 .03147 .03514 .03514 .03514 .03514 .03514 .03514 .01782 .01790 .01790 .01790	CYN .01095 .01347 .01499 .01499 .014291 .01429 .00768	8	<del></del>	K
			00.750 900.630 900.610 900.710 900.740 900.740 900.710 900.710	50.266 100.160 150.310 299.880 399.530 999.950 8,588(58).HTT	04668 0964 05101 05268 05568 05582 05123 04611 04451	02630 0295 0271 02771 0283 02726 02124 02179 02124	.03734 .03509 .03413 .03147 .03343 .01782 .016710	74010. 7410. 87410. 92410. 10444. 10710. 10710. 10700.	8	<u></u>	k
		ילי וטיטיטיטיטיטיטיטיטיטיטיטיטיטיטיטיטיטיט	900.630 900.510 900.710 900.740 900.740 900.750 900.750	50.266 100.160 150.310 290.270 299.980 399.650 990.040 999.950	04964 05101 05268 0568 05882 05123 04611 04451	02595 02612 0271 02736 02726 02726 02179 02179	.03509 .03413 .03147 .03343 .01782 .016711 .01790	7400. 9440. 9440. 10444. 10510. 95410. 9700. 9000.	8	₩ -	k
		מים מים מים מים מים	000.610 000.710 000.740 000.740 000.750 000.710	100.160 150.310 299.980 399.630 999.950 999.950	05101 0568 05882 05123 04611 04438	02512 02771 02736 02726 02124 021246	.03413 .03147 .03344 .03343 .01782 .016711	97410. 92410. 101210. 101210. 92410. 9400. 9700.	Š	<u></u>	k
		מים מים מים מים	100.710 100.710 100.710 100.710 100.710 100.710 100.750	150.310 299.390 399.630 600.0v0 999.950	05268 05500 05882 05123 04461 04438	02771 02839 02726 02055 02179 02246	79150. 73143. 703943. 701743. 701750. 701750.	80.00. 90.00. 90.00. 90.00.	Š	<del>m</del> -	ĸ
		מיטיטיטיטיטיטיטיטיטיטיטיטיטיטיטיטיטיטיט	900.740 900.700 900.790 900.710 900.750	299.980 399.630 599.660 800.040 999.950	05500 05882 0582 04621 04438	02439 02726 02055 02179 02246	.03943 .03943 .01782 .01790	97.00.	Š	<del>E</del>	K
		<i>.</i>	100.770 100.670 100.710 100.750	299.950 399.650 800.040 999.950 8.588(58)HITI	03888 04621 04438 04438	02750 02005 02179 02246	0443 01782 01790 01790	90700.	ğ	<del>.</del>	K
		יני מי מי	100.730 100.670 100.710 100.750	599.660 800.040 999.950 1,588(58)HITI	04438 04438	02124 02179 02246	04 09710	89200 89200 89200	Š	38	K
		יני וט	100.750 100.750 1A13	999.950 1,5R8(58)HIT	04461 04438 H PLUMES SE	02246 02246	.01790 01790	807.00 67.00	Š	31	K
		, ,	1413	999.950 1,588(58) HIT	04438 H PLUMES SE	02246	01790 HO	807.00	Š	3	K
		•	1413	3,588(58)WITI	H PLUMES SE	PARATING FR	OH 09710		Š	3	K
			1413	1,5A8(58)HIT	H PLUMES SE	PARATING FR	<b>0H</b> 09710		Š	3	K
									נר אין מרואי		
	REFERENCE DATA	્લ							PARAMETRIC	C DATA	
LAEF . 15	1290.3000 1NCHES 1290.3000 1NCHES 1290.3000 1NCHES	2 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	.0000.000	167,0000 IN. XS .0000 IN. YS .00.0000 IN. ZS				MACH ALPHA OALPHA	0000 . 0000 0000 . 0000	BETA BETA CBETA PCHIBR	000.0081
	æ	<b>S S</b>	228/ 0	FN/L	27.1						
			x - .571	2 799.960	CN 04281	CLM 02215	CY .01653	CYN .00508			
	Œ	75 76	530/ 0	BN/L .	£.1						
		m	X 300.430	799.580	CN 04212	CLM 0219:	CY .01709	CYN . 00459			
	Œ	PEN NO.	531/ 0	RN/L .	57.1						
		•	X 800.620	2 900.220	CN 04383	CLH 02553	CY .01705	CYN.			
	£	2 2	135/ 0	RN/L	57.						
		•	018 C08	2 800.080	CN 04303	CLM 02321	CY .01794	CYN .00502			

(RTJ365) ( 31 JUL 75 )

1.0
ROM 091
•
SEPARATING
PLUMES SI
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M(85)
13,58
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	28.900 .000 .000								
	28.900 .000 .000 1500,000								
: DATA	PTOTAL BETA DBETA PCHMBR								
PARAMETRIC DATA	4.510 .000 -10.000								
	MACH ALPHA DOALPHA T		CYN . 00920		CYN . 00890		CYN .00767		CYN .00796
			CY .00919		CY .00991		CY .01112		CY .01379
			CLM 02333		CLM 62322		CLM 02381		CLM 02400
		1.75	CN 06844	27.1	CN 06877	1.75	CN 06883	27.1	CN 06912
	. 1167.0000 IN. XS .0000 IN. YS . 400.0000 III. ZS	RN/L .	Z 800.130	BN/L -	Z 799.530	RN/L -	2 900.150	BN/L .	2 800.210
		RUN NO. 533/ 0	× 648	RUN NO. 534/ 0	X 300.440	RUN NO. 535/ 0	× 600.640	RUN NO. 536/ 0	× 900.620
<b>4</b>	STATE OF STA	<b>9</b> <b>3</b>		2		9 3		<b>9</b>	
NCE DATA	D.FT. NCHES NCHES			-				_	
REFERENCE	2690.0000 SO.FT. 1290.3000 INCHES 1290.3000 INCHES .0100								
	SPEF								
	SCAL SCAL								

## TAIS, SABISBINITH PLUNES SEPARATING FROM 09710

### PARAMETRIC DATA

(RTJ366) ( 31 JJL 79 )

### PN/L . 1.76 RUN NO. 537/ 0

×		7	8	5	દ	Z.
	8	0.03	- 06094	02872	.03226	.00323
•	19	49.923	08217	02844	.03134	.00366
•	2	36.66	06372	02778	.02795	.00538
•	312	149.860	06545	02685	.02468	.00665
•	787	199.400	06710	02591	. 02221	8×200.
•	206	298.780	06945	02511	.02086	.00753
•	100	398.360	06994	- 02588	. 02327	₹1900.
•	215	600.150	07067	02509	.02509	.00541
•	K,	801.180	1,07071	02306	.01612	.00653
•		1000.400	0697₽	02248	.01052	£6600.

#### RN/L . 1.76 RUN NO. 538/ 0

Š	.00790	.00880	.00925	₹6600.	.01038	.01078	.01032	.00813	96800.	966
გ	.02875	16520.	.02323	.01976	.01728	.01365	.01384	.01808	01495	. G1095
r d	-,02767	02713	02642	02240	02430	02341	02369	02431	02285	02253
5	96110	06243	062( }	06280	06360	06682	06695	070+8	₹170	06950
~	1.073	\$0.13 \$	100.410	150.420	200.380	300.980	400.900	600.960	799.850	996.870
×	300.610	300.410	300.500	300.470	300.430	300.510	300.500	300.460	300,440	300.529

#### <del>.</del> 7 FBV/L RUN NO. 539/ 0

2	11110.	.01076	.01172	.01146	.01182	.01123	96110.	.01003	01010.	.01023	
Շ	.02851	.03080	.0293	. 02967	. 02679	. 02135	.01333	.01435	.01322	652	
รี	02597	02659	02669	02742	*1750	02644	11620	02329	02280	02312	
3	0639	06652	06809	06740	06649	06574	06380	07117	07133	06957	
~	161	49.952	100.000	150.000	199.660	299.880	399.743	600.630	800.050	999.500	
×	0.00.000	600.520	600 . 190	600.520	600.560	620.660	600.480	600.650	600.590	600.630	

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### (RTJ366) (31 JJL 75 )

PARAMETRIC DATA	MACH - 4.510 PT07AL - 28.900 ALPHA000 BETA000 DALPHA10.000 DBETA000 Y - 400.000 PCHHBR - 1500.000
REFERENCE DATA	SPEF = 2690.0000 SQ.FT. XPFP = 1167.0000 IN. XS LPEF = 1290.3000 INCHES YPFP = .0000 IN. YS BPEF = 1290.3000 INCHES ZPFP = 400.0000 IN. ZS SCALE = .0100

	CL#
9/ .	8
• ¥	2
0 /0+G	×
2	

CAN	64110.	.01245	.01282	.01306	.01258	34510	01340	.01160	.01006	€6600.
Շ	.03313	.03546	.03490	.03947	.04504	669+0	.02350	.0!239	.01158	.01277
¥73	03343	03331	03308	03347	03362	03183	02816	02446	02357	02368
8	06722	07009	57170	07599	07709	07684	06843	06997	-,06915	06963
2	161.1	50.402	100.390	150.410	200.220	300.250	399.780	599.840	799.720	999,980
×	900.6HO	300.740	900.680	900.780	900.620	900.570	900.690	900.800	900.780	900.770

# 1A13, SRB (58) HITH PLUMES SEPARATING FROM 09110

(R 357) (31 JUL 75 )

PARAMETRIC DATA

### REFERENCE DATA

MACH	ALPHA	DALPH	<b>&gt;</b> -
S	Σ	S2	
ż	ż	ż	
9	- 00	90	
1167.00	0000 IN. YS	<b>400</b> .00	
S X	YHOO	2	
.FT.	SHOW	F - 1290.3000 INCHES	
900	900	8	001
96	98 .3	8 3	•
8	<u></u>	7	
	•		e W
365	LAEF	BREF	SCAL

4.510 PTOTAL = 28.900 .000 BETA = .000 -10.000 DEETA = .000 .000 PCH49R = 1500.000

### RUN NO. 541/ 0 RN/L = 1.75

Ç	66000	.00317	.01171	<b>21600</b> .	18800.	.01095
Շ	. 00625	110:0.	.01631	01410.	.01437	.00952
<b>.</b>	00805	01579	03380	02882	02362	02141
ક	03831	04568	07107	05848	37142	07225
2	200.280	300.210	400.140	601.150	801.010	1000.200
×	246	.323	.093	348	.325	759

IAI3 SOURCE DATA

DATE DE AUG 75

# IA13, SRB (58) HITH PLUMES SEPARATING FROM 09110

### (RTJ367) ( 31 JUL 75 )

PARAMETRIC DATA

.01AL - 28.900	.000 BETA000	ETA 000	HHBR - 1500.000
4.510 P	98 000	-10.000 06	.000 PC
HACH	ALPHA .	DALPHA -	• -
1167.0000 IN. XS	0000 IN. YS	400.0000 IN. ZS	
•		•	

08 4.7 7.486 7.486 7.486

SAEF = 2690.0000 SQ.FT. )
LREF = 1290.3000 INCHES > 886F = 1290.3000 INCHES 2 SCALE = .0100

REFERENCE DATA

### RUN NO. 543/ 0 RN/L = 1.75

×	2	3	G.H	5	C
300.590	99.948	02767	01048	.01148	.00933
300.520	147.900	02428	00597	.00379	.00244
300.400	200.310	02371	00416	00213	.00053
300.520	300.230	02850	00813	90000-	.00232
300.430	400.140	05364	02207	.0072¥	. 00825
300.383	600.020	06832	02866	.01480	.00755
300.453	801.320	-,06932	02487	.01175	.00879
259.520	1000.200	07141	02221	.01030	.01053

### RN/L = 1.75 RUN NO. 545/ 0

×	Z	ક	3	ວ້	CAN
600.550	149.290	01390	00594	.00≥04	.00306
600.510	198.230	01333	00516	00323	.00123
600.370	298.390	01850	00761	00002	<b>50100</b> .
600.700	400.110	03687	01413	61100.	.00606
600.480	600.090	09142	04777	74750.	.01533
600.660	801.370	07393	02319	<b>6</b> 1600.	.00888
599,640	1000.100	06945	02351	.01030	<b>*0010</b> .

### RN/L = 1.75 RUN NO. 548/ 0

CYN	00151	00061	. 00292	.0'321	.01170¥	P2600.
Ç	.00200	.00223	.00240	. 02408	<b>\$0010</b> .	64010.
S.	00574	00739	01129	04616	02524	02409
ટ	00517	01158	02596	08417	06518	06937
2	199.570	299.020	400.190	600.020	B00.450	1000.100
×	500.660	900.520	900.870	900.640	900.830	899.800

(4

(RTJ368) ( 31 JUL 75 )

	28.900	000.	000.	1500.000
C DATA			OBETA -	
PARAMETRIC DATA	4.510	000	-10.000	200.000
		•	•	•
	HACH	ALPHA	DALPHA	<b>&gt;</b>

### RUN NO. 542/ 0 RN/L = 1.75

= 1167.0000 IN. XS .0000 IN. YS .400.0000 IN. ZS

71489 71489 71489

SREF = 2690.0000 SQ.FT. > LREF = 1290.3000 INCHES > 3 BREF = 1290.3000 INCHES > 2 SCALE = .0100

REFERENCE DATA

;	•	į	:	į	
×	7	3	5	5	Š
.323	199.910	06949	02779	.02477	.02118
.288	302.310	08308	02698	. 0201	.01507
.280	400.790	06588	02733	₹6210.	.01323
.380	600.880	06900	02782	. 02090	.00823
.502	800.050	07046	02381	.01589	0+600.
344	938.960	07095	02190	.00972	94010.

#### RN/L - 1.75 RUN NO. 5447 0

\$8.75 B & \$		
.03854 .03220 .02271 .02937 .02482	50000	.01282
02437 03437 03383 03598 03178 03178	98520	02276
CN - 08069 - 07901 - 08784 - 08726 - 06543	/ 20/0	07017
2 100.210 150.350 200.440 301.580 399.500 600.010	193.190	1000.100
X 300.300 300.360 300.380 300.450 300.450	2000	300.530

### RN/L - 1.75 RUN NO. 546/ 0

CYN	.00672	.00481	.00753	.01240	94610.	. 02202	.00955	.00933	.00993
Ċ	.00515	.00297	.00531	.01260	.02312	.03258	.0110	.01361	.01229
CL#	02186	01833	01938	02223	03244	04296	-, 02648	02478	02330
ક	06142	05386	05197	05974	07564	08546	-, 36059	06958	07019
7	50.407	100.020	149.010	198.220	298.940	400.080	600.370	901.090	1000.100
×	600.750	600.630	600.570	600.490	600.430	600.500	600.570	600.710	599.620

DATE 02 AUG	AUG 75	[A13 (	IA13 SOURCE DATA	<b>4</b>							ā	PAGE 437
			<b>*</b>	1413, SRB (SB) WITH PLUNES SEPARATING FROM OPTIO	HITH PLUM	ES SEPA	RATING FRC	M 09710		(RTJ369)	(31 JUL	JUL 75 )
	REFERENCE	E DATA								PARAMETRIC DATA	DATA	
SPEF BREF SCALE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	T. XHRP ES YHRP ES ZHRP		1167.0000 IN	X				MACH ALPHA OALPHA Y	4.510 .000 -10.000 200.000	PTOTAL BETA BETA BETA BETA BETA BETA BETA BETA	28.900 .000 .000 1500.000
		PCN NO.	9710	- J/NJ	1.75							
			×	2			בר <del>א</del>	CY	CYN			
			900.820	50.599	04536		03163	00227	01910.			
			900.720	100.070	03538		01250	00437	.00153			
			300.680	198.760			01212	00344	.00071			
			900.440	297.770			~. 0202¥	. 00565	. 00806			
			900.650	400.050	07195		03660	.02358	.016'46			
			900.760	800.420			02516	.00926	.01067			
			07.668	1000.200			02396	.01172	£9600°			
			IA	1A13,SABISBINITH PLUMES SEPARATING FROM 09110	HITH PLUM	ES SEPAI	RATING FRC	01100 F		(RTJ369)		(31 JUL 75 )
	REFERENCE DATA	DATA								PARAMETRIC DATA	: DATA	
SPEF LREF BREF SCALE	2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	I. XHBP IS YHBP	1167	1167.0000 IN. 3	X				MACH ALPHA DALPHA	015.4 000. 000.05-	PTOTAL BETA DBETA PCHMBR =	28.900 .000 .000 .1500.000
		PCN NO.	949/ 0	RN/L	27.1							
			×	2			C.A.	۲	CYN			
			 	599.910	- 10018		03763	.00837	. 00815 81800			
			759	1000.600	,		02594	7.010.	68500			
		PON NO.	550/ 0	RN/L	27.1							
			×	2			CLM	5	CYN			
			300.050 300.570 300.400	600.260 800.230 999.380	12619 10176 11033		051 <b>93</b> 03519 02967	.01010.	.00653 .00625 .00638			
		PCN 180.	551/ 0	RN/L	27.							
			×	2	3	J	CLM	۲۸	CYN			
			600.300	600.280	' '		05315	34400.	10 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -			
			600.700	998.730			03705 0298 <b>3</b>	90800. 60000.	75700. .00667			

# 1413, SRB (SB) HITH PLUMES SEPARATING FROM 09110

(RTJ369) ( 31 JUL 75 )

PAGE 438

PARAMETRIC DATA	ALPHA . 4,510 PTGTAL . 28,900 ALPHA . ,000 (IUTA . ,000 DALPHA20,000 DEETA . ,000 Y		NAC NAC	.01373	.00773	.00815
	r « o >		ζ	.00671	. 00522	.00396
			מרא	04699	-,03518	03260
		27.1	S	-· 0964B	10079	10181
	* 1167.0000 IN, XS * .0000 IN, YB * 400.0000 IN. ZS	RN/L .	2	600.250	800.240	999.150
		NO. 552/ 0	×	900.870	900.750	900.740
REFERENCE CATA	SREF = 2690,0000 SQ.FT, XHRP LMEF = 1290,3000 INCHES YHRP BREF = 1290,3000 INCHES ZHRP SCALE = .0100	RUN NO.				

# IA13, SRB (SB) WITH PLUMES SEPARATING FROM 09110

(RTJ370) (31 JUL 75 )

	28.900 .000 .000 .1500.000																	
DATA	PTGTAL = BETA = DBETA = PCHMBR = 1																	
PARAMETRIC DATA	4.510 .000 -20.000																	
	MACH ALPHA OALPHA Y		CYN .00624	. 00579		C	8/600.	.00508	.00715		CYN	60100.	.00585	78700.		CYN	. 02233	£4800°
			CY .02508	44800°		5	.01013	.013<6	.009 <b>85</b>		Շ	.00693	91110.	.00831		5	.01391	.00520 .00433
			CLM 02986	03077		C.A	03331	03197	03035		£	01763	02998	03112		£	05159	03142
		1.73	CN 12221	11578 11057	27.1	8	10963	10851	10795	1.75	ટ	09745	11083	10605	ž	3	13832	10768
	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	RN/L -	, 600.220	799.970 999.460	BN/L .	2	600.430	801.130	1001.400	RN/L -	2	600.150	900.770	999.140	RN/L -	2	600.280	999.890
	• • •	. 556/ 0	x .370	.320 380	. 555/ 0	×	300.340	300.380	300.540	0 /+06	×	600,720	601.020	600.660	553/ 0	×	900.430	900.720 900.760
4	XMRP YMRP ZMRP	RUN NO.			PUN HD.					PCN NO.					PEN NO.			
REFERENCE DATA	SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	•			Œ										œ'			

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DATE 02 AUG 75	IAI3 SOURCE DATA	RCE DATA							•	PAGE 439
		1413	1, SPB(SB)#I	TH PLUMES !	1A13, SRB (SB) WITH PLUMES SEPARATING FROM 09110	ROM 09710		(RTJ371)	71) (31 JUL	JUL 75 1
REFERENCE DATA	ATA							PARAMETRIC DATA	C DATA	
SPEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES 9REF = 1280.3000 INCHES SCALE = .0100	XHRP YHRP ZMRP	0.004	25 .NI 0000 TN. YS0000 IN. YS	,			MACH ALPHA DALPHA	4.510 .000 -20.000 400.000	PTOTAL - BETA - DBETA - PCHMBR -	28.900 .000 .000 .500.000
	RGN NO.	557/ 0	BN/L .	<u></u>				-		
	•	× .205. .4.38	2 600.310 800.860	CN 10831 11040	CLM 03369 03070	CY .02284 .01474	CYN .00510 .00556			
	RUN NO.	558/ 0	RN/L -	£						
	^	×	2	3	<b>5</b>	Č	CYN			
	300	300.350 300.400 300.430	600.000 800.040 998.950	10764 10954 10637	03312	.01 <b>627</b> .01329	.00669			
	RUN NO.	559/ 0	RN/L -	ξ -						
	>			3	3	?	3			
	009	600.540	600.730	11288	03017	.01748	. 0052¥			
	909	600.580 600.800	999.180	10998	03095	.01265	.00689			
	PUN NO.	560/ 0	RN/L	£.						
	×		2	ક	5	č	CYN			
	006	900.750	599.500	10991	03181	.01336	.00706			
	006	900.670	1000.200	96,01.	03271	.00690	£6/00.			
		1413	.SAB(58)WIT	TH PLUMES S	1413,SABISB) WITH PLUMES SEPARATING FROM 09110	10H 09T10		(RTJ372)	-	31 J.C. 75 )
REFERENCE DATA	17.4							PARAMETRIC DATA	DATA	
SPEF = 2690.0000 SQ.FT. LPEF = 1290.3000 INCHES BREF = 1200.3000 INCHES SCALE = .0100	77479 77479	1167.00 .00.00	1167.0000 IN. XS .0000 IN. YS				MACH - ALPHA - DALPHA - Y	4.510 .000 -20.000 800.000	PTOTAL BETA BETA PCH49R	28.900 .000 .000 .000
	RUN NO. 5	9817 0	RN/L .	£ :						
	<b>X</b> :	618	2 800.550	ON 10374	CLM 03150	CY .00190	CYN 00908			

PARAMETRIC DATA

28.900 .000 .000

PTOTAL BETA DBETA PCHMBR -

#### REFERENCE DATA

MACH . \$.510 F	ALPHA000 E	DALPHA20.000 C	→ ₩ 800.000 F
1167.0000 IN. XS	SA 'NI 0000'	ZHSP - 400.0000 IN. ZS	
9	9	9	
		BREF = 1290.3000 INCHES Z	.0100
9	, i		SCALE .

### RUN NO. 562/ 0 RN/L . 1.74

. 00860		CYN .00813
<u></u>		ζ·.
. 002 <b>95</b>		CY .00299
CLM 03078		CLM 03090
10529	1.75	CN 10609
z 799.620	RN/L .	2 799.870
X 300.300	RUN NO. 533/ 0	× 600.510
	2	

## X Z CN CLM CY 606.510 799.970 -.10609 -.03090 .00299

## X Z CN CLM CY CYN 900.600 800.410 -.10513 -.03217 .00452 .00870

## IAIS SRBISB) W/O PLUMES SEPARATING FROM 09710

(RT\_373) ( 31 JUL 75 )

PARAMETRIC DATA

#### REFERENCE DATA

	000.0	000.	5.000	000
	TAL = 11		DBETA - 5.000	H88 •
			3.000	
	MACH	ALPHA -	DALPHA	• -
	sx	YS	52	
	ž	Ä.	ž	
	XX-889 - 1167.0000 IN. XS	.0000 IN. YS	400.0000 IN. ZS	
	•		•	
			2742	
	50.51.	SHOW!	INCHES	
! !	2690.0000	1290.3000	BREF . 1290.3000	.0100
	•			
	SPEC	LAEF	BREF	SCALE

### RUN NO. 565/ 0 RN/L + 6.57

00327	00340	00339	00296	+7000	.00254	00035	00519
02175	-, 02358	02515	02483	02201	01720	01880	01638
.00338	.00239	.00244	.00240	.00085	00467	00208	. 00542
01340	.01924	. 02150	. 02200	. 02040	.01315	12410.	.01155
. 269	50.152	99.967	149.240	200.000	301.230	401.520	600.210
316	270	rrs.	.468	.416	. 209	.104	. 223
	269 .01549 .0033802175	269	569 . 01349 . 00338 - 02175 50.152 . 01924 . 00259 - 02358 99.967 . 02150 . 002515	569 - 00 338 - 00 358	50.152 .01549 .0033802175 50.152 .01524 .0025902358 99.967 .02160 .0024402515 149.240 .02200 .0024002483 200.000 .02040 .0008502221	50.152 .01549 .0033802175 50.152 .01524 .0025902358 99.967 .02160 .0024402515 149.240 .02200 .0024002483 200.000 .02040 .002650221 301.230 .013150046701720	.316 . 269 . 01540 . 00338 - 02175 - 00327 . 270 . 270 50.152 . 01924 . 00259 - 02358 - 00340 . 277 5 99.967 . 02160 . 002440251500339 . 468 149.240 . 02200 . 002400249302296 . 416 200.000 . 02040 . 0009550222100074 . 209 311.230 . 01315004670128000354 . 104 401.520 . 0143100208

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1413
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DATE

IAI3 SRB(	
	IA13 SPBISB) H/O PLUMES SEPARATING FROM 09110 (ATJ373) ( 31

JAL 75

PACE WHI

PARAMETRIC DATA	MACH - 4.530 PT0 110.000 ALPHA000 BETA000 DALPHA - 5.000 DBETA - 5.000 Y000 PCHMBR000	
REFERENCE DATA	SAEF = 2690.0000 50.FT. XMMP = 1167.0000 IN. XS LREF = 1290.3000 INCHES YMMP =0000 IN. YS BREF = 1290.3000 INCHES ZMMP =400.0000 IN. ZS SCALE =0100	RUN NO. 568/ 0 RN/L . 6.57

Z.	11100.	.00158	91100	60000	00121	00259	00393	00196
ሪ	03245	-, 03045	02670	02336	02161	02106	02292	02450
CL	00247	00106	00012	₩0100.	14100.	. 00222	.00319	00222
ક	.01499	.01624	.01554	16410.	.01655	60810.	.02246	.01559
2	455	50.232	100.250	150.270	200.380	300.850	397.730	600.330
×	900.810	900 . 750	900.720	900.640	900.700	900.590	901.010	900.650

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2	
DIFFURES SEPARATING FROM	
25ES	
9 1	
IA13 SR(158) W/O	
<u> </u>	

(RTJ374) ( 31 JUL 75

	110.000	.000	5.000	000										
OATA	PTOTAL .	BETA .	DBETA	PCH#19R										
PARAMETRIC DATA	4.530	000.	5.000	200.000										
	•	•	•	•			,	6	_	•	٠	_		ø
	HACH	AL PHA	DALPHA	>		Č	.0033	G+E00.	.0031	.0023	5100.	0020	0046	0059
						5	01893	01978	01895	01775	01636	01375	01358	01845
						S.	.00+15	.00312	.00228	.00158	81100.	.00203	62,00	90506
			••		6.59	ક	. 02319	.02187	.0201	<b>6</b> 0.	.01660	.01292	.01145	04910
	IN. XS		1. 25		•		8	6	5	80	89	õ	00	0
	Z .	N O	Z 0		RN'L.	~	-	50.470	20.4	50.3	00.3	90.2	99.6	5
	000	.0000	400.0000 1N.			. •			=	=	ũ	m	m	ń
	1167.0000	•	<b>4</b> 00		6 / <b>99</b> 9		8	818.	68	1	8	Ę	57.	8
					8	×	-	٠.	'n	·v	'n	-7		3
4	dBH0X	A S	2.4KP		PEN NO.									
ENCE DATA	S0.FT.	INCHES	INCHES											
REFERE	000	2000	800	901										
•	3.0692	1290	1290.3	.0100										
	3	LAEF	7390	SCALE .										

(RTJ374) (31 JAL 75 )

PARAMETRIC DATA

08710
S.
041T
SEPARAT
PLUMES
ž V
588(58)
1A13 S

HACH - 4.530 PTOTAL - 110.000 ALPHA000 BETA000 DALPHA - 5.000 DBETA - 5.000 Y - 200.000 PCH4BR000
FREFERENCE DATA SPEF = 2690.0000 SQ.FT. XORPP = 1167.0000 IN. XS LPEF = 1290.3000 INCHES YHRP = .0000 IN. YS BPEF = 1290.3000 INCHES ZHRP = .400.0000 IN. ZS SCALE = .0100

DBETA PCHEBR		
5.000 200.000		
ALPHA . DALPHA . Y		00281 00381 00476 00511 00465 00345 00345
		C7 01984 01950 02023 02163 02557 0257 0278
		CLM .00227 .00340 .00414 .00427 .00374 .00291
	6.59	CN .01406 .01410 .01497 .01678 .01974 .023380
YHRP	PN/L	2 - 943 49.740 99.704 149.790 199.830 299.630 400.480
0.00	RUN NO. 569/ 0	x 900.690 900.823 900.700 900.710 900.820 900.750
	£ ₹	
SO.F.		
1890.0000 94.71.		

## 1A13 SRB(SB) H/O PLUMES SEPARATING FROM 09110

(RTJ375) (31 Jb. 75 )

	110.007 .000 5.000
DATA	530 PT0TAL - 000 BETA - 000 08ETA - 000 PCHTBR -
PARAMETRIC DATA	4.530 .000 5.000 400.000
	MACH ALPHA -
	X X X X X X X X X X X X X X X X X X X
	. 1167,0000 IN. XS . 0000 IN. YS . 400.0000 IN. ZS
¥	20 450 27 450 27 450
5	0 SQ.FT. X0 INCHES Y1
REFERENCE DATA	2690,0006 290,3000 1,290,3000
	SPEF LIREF • BPREF • SCALE •

	CYN	00592	, 00620	00652	00677	00685	-,00651	00586	00362
	Շ	01391	01354	-,01360	01399	01457	01667	01907	02345
	CLM	.00272	.00329	00382	82400	99+00	66400	.00458	.00278
6.56	ž	01968	01840	66710	7247	18615	01620	17710.	.02094
PBN/L		;		60.00	000.000	0000	300 110	199, 920	190 920
567/ 0	>	,	2 5	, i	ָּהָי. מיני	151.	61.	. c	9. E
<b>3 6 9</b>									

DATA
RCE DATA

IAI3 SJUNCE DATA	1A13 SRB(SB) W/O PLUNES SEPARATING FROM 09T10 (RTJ375) (31 JUL 75 )	PARAMETRIC DATA	XMRP = 1167.0000 IN, XS	RUN NO. 570/ 0 RN/L = 6.58		.00575	49.655 .02372 .0047001404	.02354 .0034101564	3149.610 - 01200. 445.610 016.641	.02075 .0014001640	299.800 .01573 .0010301550	+9100° 60+10°	598.720 . 01305 . 00444
DATE 02 AUG 75 1A13 SJURCE		REFERENCE DATA			×	5006	17.006	39.006	900.83	)8 006	1006	7.006	0.106

	.000 .000 -5.000										
DATA	PTOTAL BETA CSETA PCHEBR										
PARAMETRIC DATA	4.530 .000 5.000										
	MACH ALPHA -		CYN	150	.01327	.01138	<b>+6500</b> .	86800.	. 00860	ر'5900.	00041
			Շ	.03646	.03690	.03725	.03734	.03785	.03116	.03022	₹60£0.
			ر در	00480	.00385	.00390	.00355	. 00243	00062	00185	. 00413
		9.60	8	.02265	44250.	.02020	.01930	76710.	.02401	. 0264B	.01523
	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. 2S	RN/L .	2	279	49.653	99.618	149.530	199.880	300.110	399.820	600.180
	. 1167.00 .00.00	575/ 0	×	355	. 380	293	.338	452	104	518	682
ATA	XYPRP YPPRP ZYPRP	75. 16.									
PENCE DATA	SQ.FT. INCHES INCHES										
REFEREI	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100										
	5867 • 590 • 500 •										

(RTJ376) ( 31 JUL 75 ,

IA13 SRB(SB) H/O PLUMES SEPARATING FROM 09T10

į

1A13 SR8(58) H/ 1167.0000 IN. XS .0000 IN. YS .400.0000 IN. ZS	A XORR - 1167.0000 IN. XS YMRP0000 IN. YS ZYMRP - 400.0000 IN. ZS ZYMRP - 400.0000 IN. ZS	TALES SRB(SB) M/O PLUMES SEPARATING FROM 09T10 (RTJETS) ( 31 JUL 75	PARAMETRIC DATA	IN. XS HACH - 4.530 PTOTAL - 110.000 IN. YS ALPHA000 BETA000 IN. ZS OALPHA - 5.000 DBETA5.000
		IAI3 SR8		1167.0000 0000. 400.0000

0. <b>(P</b>										
PTOTAL = BETA = DBETA = PCHMSR =										
4.530 000.002										
HACH ALPHA OALPHA Y		C	68800.	0.0819	.00752	.00645	.00518	.00375	.00558	.00816
		5	.01029	16600.	66010	.01390	.01730	.02340	.02799	.02750
		2	00027	₹2000.	.00155	96100	.00237	.00362	.00360	-,00208
	6.60	ટ	. 02080	19610.	12810.	19810.	.01827	.01708	.01595	.02150
1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	- 1/88/A	2	.039	50.165	100.070	150.070	200.140	299.780	399.290	600.180
	0 /1/2	×	900.690	900.740	900.500	900.730	900.640	900.620	900.720	900.620
XOPRIO YMRNO ZMRP	PEN NO.									
2690,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES	u.									
SREF . LPEF . BPREF . SCALE .										

## IA13 SRB(58) M/O PLUNES SEPARATING FROM 09110

(RTJ377) (31 JUL 75 )

	.000 .000 -5.000 .000										
DATA	PTOTAL BETA BETA BETA BETA BETA BETA BETA BETA										
PARAMETRIC DATA	4.530 .000 5.000										
	MACH ALPHA - DALPHA - Y		CAN	.00568	. 00622	.00605	. 00579	. 00511	.00267	00038	.00032
			<del>ن</del>	.03346	.03175	.03128	.03061	.03067	.03208	.03377	.02778
			£	.00218	₹100.	£000°.	.00026	.0000	.00025	4G100.	- 00612
		6.60	3	. 02632	.02671	.02679	. 02639	.02579	.02394	.02061	.01384
	X X X X X X X X X X X X X X X X X X X	•		2	ič	5	0	6	01	50	90
	0000 IN.	¥ Y	7	=	50.165	1.001	150.1	200.1	300.1	400.1	599.6
	.0000 .0000 .0000	978/ 0	×	. 369	233	348	314	155	900	. 123	. 309
<	8 6 6 7 4 8	PCN NO.									
ENCE DATA	2690 0000 90.FT. 1290.3000 INCHES 1290.3000 INCHES .0100	Œ									
REFERENCE	0000 3000 3000 0-00										
	2 <b>690</b> 1290. 1290.										
	SPEF - SCALE - SCALE - S										
	SCAL BRC LRC SSCAL										

DATE 02 A.S	85 85 85		1A13 S	9	IA13 SOURCE DATA								PA	PAGE 445
					1A13	SAB ( 58	0/H (	PLUMES SEI	1A13 SRB(SB) M/O PLUMES SEPARATING FROM 09710	10H 08710		(RTJ377)	7) (31 M	K 78 .
	REFEREN	RENCE DATA	₹.									PARAMETRIC DATA	DATA	
SPEF . LREF . BREF . SCALE .	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES	SQ.FT. INCHES INCHES	7.489 7.489 7.489	• • •	.0000 IN.	.0000 IN.	\$\$ \$\$ \$\$				MACH ALPHA BOALPHA	\$.530 .000 5.000 400.000	PTOTAL • BETA • DBETA • PCHMBR •	000.011
		•	PUN NO.		572/ 0	RN/L		6.60						
				×		2		8	r S	Շ	CVN			
				90	900.510	<u>.</u>	~	.01878	.00462	.03394	97010.			
				900	900.570	50.201	_	11310.	.0054:	.03465	. 0099 <b>2</b>			
				900	900.660	98.986	9	.01485	.00513	.03364	71010.			
				900	900.63n	149.970	0	.01606	.0′3574	.03234	+80 to ·			
				900	900.610	200.010	0	.01906	.0.388	.03321	.01128			
				900	900.570	300.420	0	.01859	. 00.222	.03337	CC110.			
				900	900.580	399.570	0	.02451	.00053	02752	. 00952			
				900	900.560	600.140		.02438	00061	. 02753	. 0045 <b>5</b>			
					1413	SPB (58	0/11	PLYMES SE	1A13 SPBISB) W/O PLYPES SEPARATING FROM 09110	0H 09110		(RTJ378)	18) (31 JUL 75	<b>1</b> 25 .
	REFE	REFERENCE DATA	4									PARAMETRIC DATA	DATA	
SCALE .	2690.0000 50.FT. 1290.3000 INC-ES 1290.3000 INC-ES	SO.FT. INC:ES INCHES	XPSP YHSP ZHSP		1167.00 .00 .00.00	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	XS 7.5 2.5				MACH ALPHA DOALPHA	€.530 .000 .000 .000	PTOTAL BETA BETA BETA PCHEMBR B	000.011
		-	RUN NO.		574/ 0	PN/L		8.58						
				×	.307	2 399.940 600.230	<b>6</b> 0	.01508	CLM 002:1 .00:05	.03003 .02854	CYN .00860 .00137			
		•	RUN NO.		573/ 0	FN/L		6.58						
				<b>86</b> 9.	X 900.600 900.070	2 398.040 600.090		. 02102	. 00108	CY . 02028 . 02890	CYN .00269 .00657			

REFERENCE DATA

### PARAMETRIC DATA

	.000 BETA000		PCHMBR .
• масн	ALPHA -	DALPHA -	# }-
XMRP - 1167.0000 IN. XS		ZHRP = 400.0000 IN. ZS	
SAEF * 2690.0000 SQ.FT. )	LREF - 1290.3000 INCHES	•	SCALE0100

PE NO.	577/ 0	RN/L	6.63			
	×	2	ક	g	ઠ	C
	.302	178	.02569	.00348	75170.	.00807
	822.	₩9.870	. 02595	.00276	11170.	76700.
	613.	99.807	.02611	. 00202	.07059	.00764
	.326	149.880	.02613	.00143	. 06977	.00735
	.476	199.860	24920.	₩3000.	.06935	.00691
	£64.	299.840	.02763	00040	.06882	94500.
	<b>3</b> 60.	400.090	. 02602	00005	.07069	Ċ1500.
	. 093	600.230	01908	19400.	. 05861	00177

### RUN NO. 582/ 0 RN/L = 6.63

×	7	Š	CL	Շ	Š
900.520		.02364	. 00329	.05899	.01738
900.720	50.113	.02227	64£00	. 05999	.01665
900.640	100.150	. 0207	.00392	66090	.01632
900.720	149.850	.02178	.00365	.06309	.01595
900.690	200.020	. 02211	.00283	.06635	.01501
900.650	300.340	. 02290	±€100.	₩1690.	.01416
900 . 380	400.030	.02315	1,000	.06759	.01129
900.450	599.950	. 02530	00067	86+90	.00602

## IAI3 SABISB) M/O PLUNES SEPARATING FROM 09710

(RTJ380) ( 31 JUL 75 )

PARAMETRIC DATA	MACH • 4.530 PTOTAL • ALPHA • .000 BETA • DALPHA • 5.000 DBETA •  Y • 200.000 PCH4BR •	
E DATA	FT. X048 = 1167.0000 IN. XS HES YHRS = .0000 IN. YS DES ZHRP = 400.0000 IN. ZS	
REFERENCE DATA	SPEF = 2690.0000 SQ.FT. LPEF = 1290.3000 INCHES BPEF = 1290.3000 INCHES SCALE = .0100	

000.011

### RUN NO. 578/ 0 RN/L . 6.62

CYN	.01120	.00852	<b>.</b> 007	04000
Շ	.0772	07840	.06756	G.50.0
C.	. 20234	.00139	00139	71100
ટ	98410	.01620	.02595	.02318
7	199.930	300.750	39g and	600.100
×	<b>S</b>	346	¥15.	070

IAIS SOURCE DATA DATE DE AUG 75

PAGE 447

(RTJ380) (31 JUL 75 )

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### IALL SPBISB) M/O PLUMES SEPARATING FROM 09710

		REFERENCE DATA	ATA				PARAMETRIC DATA	DATA	
- 1365	•	2890.0000 SQ.FT. XHRP	de X		XHRP = 1167.0000 IN. XS	HACH	4.530	PTOTAL = 110.000	110.000
, F		1030 3000 (MC/ES			. U000 .	ALPHA -	000.	• • •	000
9965	•	1290,3000 INCHES	2H24P	,	400.000° IN. ZS	DALPHA .	5.000	08£ TA •	-10.000
SCALE		.0100				• >	200.000	PCH#19R	000.
			PCN NO.	8	RUN NO. 581/ 0 PN/L . 6.62				

CAN	C082.	61700.	54600.	.00843	≥+800°	.00678	.00830	<b>266</b> 00.
ჯ	.04005	04010	01040.	. 34032	.04262	.0520.	. 06039	.06650
S.	00188	00102	.00061	68000.	.000 <sup>4</sup> 7	.00160	00500.	00217
š	. 02449	. 02583	. 02355	. 02430	. 02 <b>5</b> 42	.02323	.01945	.02148
7	0£4.	50.010	100.100	150.010	183.910	299.610	399.950	600.210
×	900.670	900.640	900.670	900.630	900.480	900.510	900.600	064 006

### 1413 SRB(SB) H/O PLUMES SEPARATING FROM 09110

(ATJ381) (31 JUL 75 )

110.000	000.	-10.000	000
PTOTAL 2	BETA -	JBETA .	PCHHSR .
4.530	000.	5.000	000.
HACH	ALPHA .	DALFILA .	• >-
IN. XS	IN. YS	+00.0000 IN. ZS	
	MACH . 4.530 PTOTAL 2	HACH - 4.530 PTOTAL - ALPHA000 BETA -	

SREF = 2690.0000 SQ.FT. )
LREF = 1290.3000 INCHES 1
BREF = 1290.3000 INCHES 2
SCALE = .0100

REFERENCE DATA

### RN/L . 6.62 RUN NO. 579/ 0

CAN	.01021	.00082
Ç	.06863	.06721
r T	001 <b>81</b>	00055
3	.01680	. 02507
2	399.820	600.190
×	061	650.

#### RN/L - 6.62 RUN NO. 580/ 0

×	2	Š	CLH	Շ	Š
900.300	399.850	. 02320	.0020 <b>8</b>	91850.	.0033
900.520	600.060	51510.	00111	.06888	.0087

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(RTJ362) (31 JUL 75 /

### 1A13 SRB:58) M/O PLUMES SEPARATING FROM 08710

PARAMETRIC DATA	• 4.530 PTOTAL • 110.000 • .000 BETA • .000 • 5.000 DBETA • -20.000 • 200.000 PCH4BR • .000
PARA	MACH - A ALPHA - 5 DAEPHA - 5 Y - 2003
	xs 75 25
	- 1167.6000 IN. XS 0000 IN. YS - 400.0000 IN. ZS
•	XMARP XMRP ZMRP
REFERENCE DATA	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES
	SREF LREF BREF SCALE

	CYN	00293		CYN	.01290	, 30e54	.00668	.00451	.00350	.00450	74700.	.01050	
	CY	16693		ځ	.08751	01760.	10551	.11608	.12435	.13615	.15009	51691.	
	CLM	.00353		5	00155	00186	00212	00153	00131	-,00025	62000.	00560	
6.61	S E	.01991	6.81	8	. 02469	.03116	.03589	.03611	.03588	.03425	64020.	. 02252	
RN/L	700 040	299.880	RN/L .	2	.803	50.596	100.070	149.980	199.960	299.730	399.940	600.420	
RUN NO. 587/ 0	×	025	RUN NO. 583/ 0	×	900.370	900.260	900.230	900.210	899.830	009.668	900.770	699.250	

9T10
FROM OS
EPARAT ING
PLUMES
SB) W/0
3 SRB(S
I

(RTJ383) ( 31 JUL 75 )

DATA	PTOTAL = 110.000 BETA : .000 CSETA : -20.000 PCHMBR : .000	
PARAMETRIC DATA	4.530 .000 5.000 400.000	
	HACH ALPHA BOALPHA	
		19.8
	XMRP = 1167,0000 IN. XS YMRP = .0000 IN. YS ZMRP = 400.0000 IN. ZS	RUN NO. 5887 0 RN/L + 6.61
		. 588/ 0
DATA	XHRP YHRP ZHRP	<b>S</b>
REFERENCE D	- 2890.0000 SQ.FT. - 1290.3000 INCHES - 1290.3000 INCHES E0100	
	SREF = 2 LREF = 1. BREF = 1. SCALE =	

CYN	₹7800.	.00443	00538
Շ	. 16381	. 16685	. 16857
CL	00045	00031	.00331
8	. 02805	. 02678	. 02303
7	299.840	399.960	<b>60</b> C.230
×	. 538	.039	610

IAI3 SOURCE DATA
5 5 5
02 AUG
DATE

(RTJ3B3) (31 JUL 75 )	PARAMETRIC DATA	MACH • 4.530 PTOTAL • 110.000 ALPHA • .000 BETA • .000 DALPHA • 5.000 DBETA • -20.000 Y • 400.000 PCHMBR • .000
IAI3 SPBISB) M/O PLUMES SEPARATING FROM 09110	REFERENCE DATA	SPEF = 2690.0000 SC.FT. XMPP = 1167.0000 IN. XS LREF = 1290.3000 INCHES YMPP = .0000 IN. YS BREF = 1290.3000 INCHES ZMRP = +00.0000 IN. ZS SCALE = .0100

### RUN NO. 584/ 0 RN/L . 5.61

CYN	, 02424	. 02175	.02050	06610	.02007	.01783	.01343	.00643
ζ	.12162	. 12719	.13220	,13851	14254	. 15573	. 16441	. 16363
C.	00 <b>05</b> 4	00C46	00031	00052	00068	00234	00207	-,00169
3	.03271	.03433	.03460	.03419	.03363	.03145	. 02632	0.02610
Z	. 135	49.707	99.835	150.030	200.000	300.570	400.470	599, 790
×	900.120	900.733	900.720	900.730	900.820	901.050	900.600	000.006

## 1A13 SRB(SB) H/O PLUMES SEPARATING FROM 09110

(RTJ384) ( 31 JUL 75 )

PARAMETRIC DATA	MACH - 4-530 PTOTAL - 110.300 ALPHA000 BETA000 DALPHA - 5.000 DBETA20.000 Y .000 PCHMBR000
REFERENCE DATA	SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN. XS LREF = 1290.3000 INCHES YMRP = .00000 IN. YS BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZS SCALE = .0100

#### RN/L . 6.60 RUN NO. 586/ 0

CAN	.00788	00154
5	.17715	. 16025
<b>6.4</b>	00500	. 00326
Š	.01108	. 02134
2	399.790	600.100
×	610.	68 <b>4</b>

#### RN/L . 6.60 RUN NO. 585/ 0

CYN	.00032	.01036
Շ	. 14113	.16934
2	<b>₩6100</b> .	00519
S	.03010	. 02311
7	399,900	600.380
×	900.810	899.180

PA0E 449

15

REFERENCE DATA

(RTJ385) (31 JUL 75 )

	110.000	. <b>00</b> 0.	5.000	000
	•	•		
C DATA	PTOTAL	BE 7.A	DBETA	PCHATB
PARAMETRIC DATA	- 4.530 PTOTAL -	000	-5.000	000
	•		۰	
	MACH	ALPHA .	DALPH	>
	1167.0000 IN. XS	.0000 IN. YS	400.0000 IN. ZS	
	•	•	•	
		•	•	

ex .	4. YS	۱. 25	
1167.0000 18	PY .N1 0000.	400.0000 IS	
•	•	•	
X PEN P	di K	ZHE	
50.51.	INCHES	INCHES	
P690.0000	1290.3000	* 1290.3000 INCHES	0010
•	•	BREF *	_
SAEF	Į,	Ŀ	CALE

#### RN/L . 6.63 RUN NO. 589/ 0

CYN	00101	00129	00132	00026	₽1200.	00177	94000.	00143	0036.
Ç	02355	02259	02023	01525	02057	02063	03102	02655	02346
C.	00116	00140	.00126	-,00325	01303	+9600	00629	54100.	00220
3	03748	04161	04413	04397	04250	04189	03519	04076	03022
2	50.044	99.533	148.650	200.230	300.010	¥02.050	601.120	800.450	1000.0001
×	.237	. 22 <b>.</b>	. 162	. 240	. 254	.203	.437	.354	. 222

## 1A13 SPB(SB) H/O PLUMES SEPARATING FROM 09T10

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85	
₹	
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_	
(RTJ386)	PARAMETRIC DATA

110.000	000	5.000	000
•	•		•
PTOTAL	BETA	DBETA .	PCHEBR
4.530	900	-5.000	200.000
•	•	•	•
HYCH	ALPHA .	DALPHA	• >-
X	Ž,	<b>5</b> 2	
ž	Ä	ž	
1167.0000	ST .NI 0000.	<b>400</b> .0000	

#### FN/L - 6.63 RUN NO. 590/ 0

SREF = 2690.0000 SQ.FT. XYHRP LREF = 1290.3000 INCHES YHRP BREF = 1290.3000 INCHES ZHRP SCALE = .0100

REFERENCE DATA

C	00082	00007	57100.	.00261	.00289	<b>70</b> 100.	00119	00511	00269
ሪ	01233	01546	02042	02367	02978	03003	02558	02083	02497
5	00382	00468	00636	00586	00556	00522	01000.	.00035	00373
8	03279	03388	03265	03292	03394	03405	03743	03509	02771
2	50.362	100.450	150.250	200.117	300.150	399.600	599,190	799.550	1000.000
×	.216	428	£8.	.375	.386	Ķ	. 26 <b>6</b>	.369	.355

DATE 02 AUG 75	1A13 SOURCE DATA	RCE DATA							A	PA0E 451
		1413	SPB (SB) H	/O PLUMES S	1A13 SRB(SB) H/O PLUMES SEPARATING FROM O9T10	30H 09T10		(RTJ387)	17) (31 JUL 75	UL 75 J
REFERENCE DATA	<b>*</b>						-	PARAMETRIC DATA	DATA	
SREF - 2690.0000 SQ.FT.  LREF - 1290.3000 INCHES  BREF - 1290.3000 INCHES  SCALE0100	XMSP YMSP ZMRP	0.004	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. 25				MACH ALPHA CALPHA T	.530	PTOTAL BETA DBETA PCHHBR	000.011 000. 000. 000.
•	RCN NO.	291/0	RN/L .	6.64						
		<u> </u>	7	8	5 #3	5	CYN			
		.013	49.885	03704	00130	-,02388	+0100			
		255	99.591	~.04125	54100.	02291	00130			
		. 253	148.760	04379	**·100°	02048	00137			
		.354	200.210	04358	00277	01587	00052			
		.253	300.000	04234	01302	02041	.00271			
		.210	462.150	04153	5:600	02091	00178			
		.502	601.120	03507	00638	03123	≥4000.			
		.396	800.510	04062	.00136	02650	00140	•		
		.235	1000.100	03035	-,00205	02329	00365			
u.	RUN NO.	594/ 0	RN/L .	6.64						
	>		^	ž	2	5	CYN			
	6	900.650	.650	03876	00610	02294	00077			
	906	900.620	50.322	03586	00459	02574	00033			
	906	900.590	100.310	03353	00451	02732	00015			
	06	900.680	150.460	03093	00476	02798	000+0			
	906	900.650	200.600	02781	00473	02763	00057			
	906	900.670	300.180	02706	00284	02303	00017			
	906	900.690	400.190	02965	00099	02739	00086			
	906	900.680	601.170	04065	00900	02015	00353			
	906	900.770	801.210	03402	00815	-, 02821	00176			
	06	900.650	999.910	03607	0018	02797	00109			

	000.011 000. 000. 000.																							
DATA	PTOTAL BETA BETA BETA PCHMBR B																							
PARAMETRIC	4.530 .000 .000 -5.000																							
	MACH ALPHA DALPHA T		CAN	0008≥	-, 00012	65100.	.00256	. 00292	.00183	00114	00513	+7500		CYN	. 00023	00030	00071	00112	00211	00374	00408	.00023	00027	00248
			Շ	01208	01521	02022	02333	02976	03018	02575	02089	02520		Շ	02790	02831	02818	02732	02469	02127	01876	02751	02912	02495
			ક	~.00380	00462	00638	00691	00666	00531	00001	.00083	00371		S.	00665	00583	00518	00420	00315	00055	00252	00993	00479	69000.
		6.63	8	03282	03391	03265	03282	03374	03378	03718	03527	02754	6.63	ક	02893	02802	02808	02891	03071	03736	04035	03563	03339	03697
	.0000 IN. XS	RN/L .	2	50.339	100.530	150.350	200.260	300.220	399.740	599.130	799.490	880.860	RN/L -	2	909	49.837	99.850	149.960	200.050	300.330	400.960	601.240	798.400	999.130
		1 NO. 582/ 0	×	941.	.292	. 285	004.	624.	*88.	. 232	.353	301	NO. 595/ 0	×	900.580	800.570	900.570	900.700	900.640	900.700	900.740	900.770	900.550	900.600
REFERENCE DATA	SREF = 2690,0000 SQ.FT, X LREF = 1290,3000 INCHES Y BREF = 1290,3000 INCHES Z SCALE = .0100	<b>R.</b>											R											
	REFERENCE DATA	REFERENCE DATA   PARAMETRIC DATA   PARAMETRIC DATA	#EFFERENCE DATA  - 2690.0000 SQ.FT. XPRP = 1167.0000 IN. XS  - 1290.3000 INCHES ZPRP = 400.0000 IN. ZS  - 1290.3000 INCHES ZPRP = 400.0000 IN. ZS  - 1290.3000 INCHES ZPRP = 400.0000 IN. ZS  - 1290.3000 INCHES ZPRP = 400.0000 IN. ZS  - 1290.3000 PCHPRR = 500.000 PCHPR = 500.000 PCHPRR = 500.000 PCHPRR = 500.000 PCHPRR = 500.000 PCHPRR = 500.000 PCHPR = 500.000 PCHPRR = 500.000 PCHPRR = 500.000 PCHPR = 500.000 PCHPRR = 500.000 PCHPR = 500.000 PCHPRR = 500.000 PCHPR = 500.000 PCHPR = 500.000 PCHPR = 500.000 PCHPR = 500.000 PCHPR = 500.000 PCHPR = 500.000 PCHPR = 500.000 PCHPR = 500.000 PCHPR = 500.000 PCHPR = 500.000 PCHPR = 500.000 PCHPR = 500.00	#EFERENCE DATA  - 2690.0000 SQ.FT. XHRP = 1167.0000 IN. XS  - 1290.3000 INCHES YHRP = .0000 IN. YS  - 1290.3000 INCHES ZHRP = .000 0 IN. ZS  - 1290.3000 INCHES ZHRP = .000.0000 IN. ZS  - 1290.3000 INCHES ZHRP = .000.000 PCHMBR = .500.000 PCHMBR = .200.000 PCHMBR =	#EFERENCE DATA  - 2690.0000 SQ.FT. XHRP = 1167.0000 IN. XS  - 1290.3000 INCHES ZHRP = .00000 IN. ZS  - 1290.3000 INCHES ZHRP = .00000 IN. ZS  - 1290.3000 INCHES ZHRP = .00000 IN. ZS  - 1290.3000 INCHES ZHRP = .00000 IN. ZS  - 1290.3000 INCHES ZHRP = .00000 IN. ZS  - 1290.3000 INCHES ZHRP = .00000 IN. ZS  - 1290.3000 INCHES ZHRP = .00000 IN. ZS  - 200.000 PCHMBR = .200.000  - 200.000 PCHMBR = .200.000  - 200.000 PCHMBR = .200.000  - 200.000 PCHMBR = .200.000  - 200.000 PCHMBR = .200.000  - 200.000 PCHMBR = .200.000  - 200.000 PCHMBR = .200.000  - 200.000 PCHMBR = .200.000  - 200.000 PCHMBR = .200.000	#EFERENCE DATA  # 2690.0000 SQ.FT. XPRP = 1167.0000 IN. XS  # 1290.3000 INCHES YPRP = .0000 IN. YS  # 1290.3000 INCHES ZPRP = 400.0000 IN. ZS  # 200.000 INCHES ZPRP = 400.0000 IN. ZS  # 200.000 PCHPR = .00190  # 2 CM CLM CY CYN  # 2 CM CLM CY CYN  # 2 CM CLM CY CYN  # 2 CM CLM CY CYN  # 2 CM CLM CY CYN  # 2 CM CLM CY CYN  # 2 CM CLM CY CYN  # 2 CM CLM CY CYN  # 2 CM CLM CYN  # 2 CM CLM CYN  # 2 CM CLM CYN  # 2 CM CLM CYN  # 2 CM CLM CYN  # 2 CM CLM CYN  # 2 CM CLM CYN  # 2 CM CLM CYN  # 2 CM CLM CYN  # 2 CM CLM CYN  # 2 CM CYN  # 2 CM CYN  # 2 CM CYN  # 3 CM CLM CYN  # 4 CM  # 500.000 PCHPR = .00180  # 500.00	#EFERENCE DATA  # 2690.0000 SQ.FT. XHRP = 1167.0000 IN. XS  # 1290.3000 INCHES YHRP = .0000 IN. YS  # 1290.3000 INCHES ZHRP = 400.0000 IN. ZS  # 200.000 INCHES ZHRP = 400.0000 IN. ZS  # 200.000 PCHMBR = .500.000  # ALPHA = .500.000 BETA = .01290.2000 INCHES = .0000 PCHMBR = .500.000  # ALPHA = .500.000 PCHMBR = .0100  # ALPHA = .500.000 PCHMBR = .0000 PCHMBR = .500.000  # ALPHA = .500.000 PCHMBR = .0000 PCHMBR = .500.000  # ALPHA = .500.000 PCHMBR = .0000 PCHMBR = .500.000  # ALPHA = .500.000 PCHMBR = .0000 PCHMBR = .500.000  # ALPHA = .000 BETA = .000 BETA = .0000 PCHMBR = .500.000  # ALPHA = .000 DETA = .0000 BETA = .0000 PCHMBR = .500.000  # ALPHA = .000 DETA = .0000 BETA = .0000 PCHMBR = .500.000  # ALPHA = .000 DETA = .0000 BETA = .0000 PCHMBR = .500.000  # ALPHA = .000 DETA = .0000 BETA = .0000 PCHMBR = .500.000  # ALPHA = .000 DETA = .0000 BETA = .0000 BETA = .0000 PCHMBR = .500.000  # ALPHA = .000 DETA = .0000 BETA = .0	#EFERENCE DATA  # 2690.0000 SQ.FT. XMRP = 1167.0000 IN. XS  # 1290.3000 INCHES YMRP =0000 IN. YS  # 1290.3000 INCHES ZMRP = .00000 IN. ZS  # 1290.3000 INCHES ZMRP = .00000 IN. ZS  # 200.000 PCHMBR = .500.000 PCHMBR = .500.000 PCHMBR = .500.000 PCHMBR = .0100    X	#EFERENCE DATA  - 2690.0000 SQ.FT. XHRP = 1167.0000 IN. XS  - 1290.3000 INCHES ZHRP = 400.0000 IN. ZS  - 1290.3000 INCHES ZHRP = 400.0000 IN. ZS  - 1290.3000 INCHES ZHRP = 400.0000 IN. ZS  - 1290.3000 INCHES ZHRP = 400.0000 IN. ZS  - 1290.3000 INCHES ZHRP = 500.000 IN. ZS  - 1290.3000 INCHES ZHRP = 400.0000 IN. ZS  - 1290.3000 INCHES ZHRP = 400.0000 IN. ZS  - 1290.3000 INCHES ZHRP = 500.000 IN. ZS  - 200.000 PCHPBR = 500.000 IN. ZS  - 200.000 PCHPBR = 500.000 INCHES - 101521 - 100082  - 292 INCHES - 03382 - 00482 - 101521 - 100082  - 292 INCHES - 03382 - 00482 - 101521 - 100082  - 293 INCHES - 1013282 - 101521 - 101521 - 101521  - 290.200 - 101521 - 101521 - 101521  - 200.000 PCHPBR = 100.000 INCHES - 101521 - 101521  - 200.000 PCHPBR = 100.000 INCHES - 101521 - 101521  - 200.000 PCHPBR = 100.000 INCHES - 101521 - 101521  - 200.000 PCHPBR = 100.000 INCHES - 101521 - 101521  - 200.000 PCHPBR = 100.000 INCHES - 101521 - 101521  - 200.000 PCHPBR = 100.000 INCHES - 101521 - 101521  - 200.000 PCHPBR = 100.000 INCHES - 101521 - 101521  - 200.000 PCHPBR = 100.000 INCHES - 101521 - 101521  - 200.000 PCHPBR = 100.000 INCHES - 101521 - 101521  - 200.000 PCHPBR = 100.000 INCHES - 101521 - 101521  - 200.000 PCHPBR = 100.000 INCHES - 101521 - 101521  - 200.000 PCHPBR = 101521 - 101521  - 200.000 PCHPBR = 101521 - 101521  - 200.000 PCHPBR = 101521 - 101521  - 200.000 PCHPBR = 101521 - 101521  - 200.000 PCHPBR = 101521 - 101521  - 200.000 PCHPBR = 101521 - 101521  - 200.000 PCHPBR = 101521 - 101521  - 200.000 PCHPBR = 101521 - 101521  - 200.000 PCHPBR = 101521 - 101521  - 200.000 PCHPBR = 101521 - 101521  - 200.000 PCHPBR = 101521 - 101521  - 200.000 PCHPBR = 101521 - 101521  - 200.000 PCHPBR = 101521  - 200.000 PCHPBR = 101521  - 200.000 PCHPBR = 101521  - 200.000 PCHPBR = 101521  - 200.000 PCHPBR = 101521  - 200.000 PCHPBR = 101521  - 200.000 PCHPBR = 101521  - 200.000 PCHPBR = 101521  - 200.000 PCHPBR = 101521  - 200.000 PCHPBR = 101521  - 200.000 PCHPBR = 101521  - 200.000 PCHPBR = 101521  - 200.000 PCHPBR = 101521  - 200	######################################	# 2690.0000 \$Q.FT. XMPP = 1167.0000 IN. XS	## FEFRENCE DATA    PARAMETRIC DATA   PARAMETRIC	FEFERENCE DATA  - 2690.0000 50.FT. XMSP = 1167.0000 IN. XS  - 1290.3000 INCHES XMSP = 00000 IN. XS  - 1290.3000 INCHES XMSP = 400.0000 N. XS  - 1290.3000 INCHES XMSP = 4.000 IN. XS  - 1290.3000 INCHES XMSP = 4.000 IN. XS  - 1290.300 INCHES XMSP = 4.000 INCHES XMSP = 4.000 INCHES XMSP = 4.000 INCHES XMSP = 4.000 INCHES XMSP = 4.000 INCHES XMSP = 4.000 INCHES XMSP = 4.000 INCHES XMSP = 4.000 INCHES XMSP = 4.000 INCHES	* 2690.0000 50.FT	### PRAMETRIC DATA    PARAMETRIC DATA   PARAMETR	FEFERENCE DATA  - 2690.0000 SQ.FT. X46P = 1167.0000 IN. X5  - 1290.3000 INCHES Y19P =0000 IN. Y5  - 1290.3000 INCHES Z19P = 400.0000 IN. X5  - 1290.3000 INCHES Z19P = 400.0000 IN. Z5  - 1290.3000 INCHES Z19P = 400.0000 IN. Z5  - 1290.3000 INCHES Z19P = 400.0000 IN. Z5  - 1290.3000 INCHES Z19P = 400.0000 IN. Z5  - 1290.3000 INCHES Z19P = 400.0000 IN. Z5  - 1290.3000 INCHES Z19P = 400.0000 IN. Z5  - 1290.3000 INCHES Z19P = 400.0000 IN. Z5  - 1290.3000 INCHES Z19P = 400.0000 IN. Z5  - 1000 INCHES Z19P = 400.0000 IN. Z5  - 1000 INCHES Z19P = 400.0000 IN. Z5  - 1000 INCHES Z19P = -5.000 INCHES000	### PARAMETRIC DATA  ### CESSO.0000 SQ.FT. XMFP = 1167.0000 IN. XS	FEFFERENCE DATA  - 2690,0000 50,FT. XHPP = 1167,0000 IN. XS  - 1290,3000 INCHES YHPP = 0000 IN. YS  - 1290,300 INCHES YHPP = 0000 IN. YS  - 1290,300 INCHES YHPP =	** CESO*** COORD SOLFT***  ** CESO*** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO*** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO*** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO**** COORD SOLFT***  ** CESO****  ** CESO****  ** CESO****  ** CESO****  ** CESO***  * CESO***  ** CESO**  ** CESO***  ** CESO**  ** CESO***  ** CE	### PARAMETRIC DATA  - 2690-0000 S0_FT, XMPP = 1167-0000 IN. XS - 1290-3000 INCHES YMPP = 0000 IN. YS - 1290-3000 INCHES YMPP = 0000 IN. YS - 1290-3000 INCHES YMPP = 0000 IN. YS - 1290-3000 INCHES YMPP = 0000 IN. YS - 1290-3000 INCHES YMPP = 0000 IN. YS - 1290-3000 INCHES YMPP = 0000 IN. YS - 1290-3000 INCHES YMPP = 0000 IN. YS - 1290-3000 INCHES YMPP = 0000 IN. YS - 1290-3000 INCHES YMPP = 0000 IN. YS - 1290-3000 INCHES YMPP = 0000 INCHES YMPP = 000 INCHES	### PARAMETRIC DATA  - 2690.0000 50.FT.	FEFERENCE DATA  - 6890-0000 SQ.FT. XPHP = 1167-0000 IN. XS  - 1290-3000 INCHES XPHP = 100-000 IN. XS  - 1290-3000 INCHES XPHP = 100-000 IN. XS  - 1290-3000 INCHES XPHP = 100-000 IN. XS  - 1290-3000 INCHES XPHP = 100-000 IN. XS  - 1290-3000 INCHES XPHP = 100-000 IN. XS  - 1290-3000 INCHES XPHP = 100-000 IN. XS  - 1290-3000 INCHES XPHP = 100-000 IN. XS  - 1290-3000 INCHES XPHP = 100-000 IN. XS  - 1290-3000 INCHES XPHP = 100-000 IN. XS  - 1290-3000 INCHES XPHP = 100-000 IN. XS  - 1290-3000 INCHES XPHP = 100-000 IN. XS  - 1290-3000 INCHES XPHP = 100-000 IN. XS  - 1290-3000 INCHES XPHP = 100-000 IN. XS  - 1290-3000 INCHES XPHP = 100-000 IN. XS  - 1290-3000 INCHES XPHP = 100-000 IN. XS  - 1290-3000 INCHES XPHP = 100-000 IN	### Parametric Data  - 2890-0000 SQ.FT. XMMP = 1167-0000 IN. XS  - 1290-3000 INCHES XMMP = . 0000 INCHES XMMP = . 0000 INCHES XMMP = .	FEFERENCE DATA  - 2890.0000 SQ.FT. XMPP - 1167.0000 IN. XS  - 1290.3000 INCHES

### 1413 SABISE) H/O PLUMES SEPARATING FROM 09710

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OATA	PTOTAL	<b>BETA</b>	<b>DBE 1A</b>	PCHABB
PARAMETRIC DATA	4.530	000.	-5.000	400.000
	HACH	ALPHA	DALPHA	<b>&gt;</b>

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X 448

SPEF = 2690.0000 50.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100

MEPERENCE PATA

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	₩ <sub>J</sub>
6.65	3
FR/L	7
993/ 0	×
PCN NO.	

Š	00500	19400	00425	00406	00396	-,00453	-,00559	00558	00270	00276
Շ	0110·-	-,01756	01827	01887	01899	01883	01787	6+020	02584	02534
₽ J	00486	00411	00348	00296	00248	00159	00118	00245	00362	00365
3	0212	02312	02503	02680	0282 <b>2</b>	03041	03112	02838	02743	02765
7	050.	50.061	99.975	149,950	199.890	300.000	400.110	599.810	799.930	1000.100
×	.219	101	612.	.273	015.	95	.127	. 173	.252	575.

### RUN NO. 595/ 0 RN/L \* 6.65

CAN	.00061	1,0000.	0001 <del>-</del>	00013	.00030	57100.	84100.	1,000.	00222	00432
Շ	00976	00987	01051	01098	01225	02003	02792	02993	02399	02263
ะ	00373	00416	00483	00562	00657	00796	00753	00417	00006	00156
S	03181	03356	03454	03511	03486	03228	03158	03382	03599	03086
7	276	49.770	99.793	149.880	200.090	300.270	400.510	600.670	800.280	939.670
×	900.570	.00.560	900.720	900.590	900.500	900,440	900.620	000.670	900.670	930.580

III.

(RTJ390) (31 JUL 75 )

### 1A13 SRB(SB) M/O PLUMES SEPARATING FROM 09110

	0 0 0 0																							
	.000 .000 -5.000																							
C DATA	PTOTAL = BETA = DBETA = PCHMBR =																							
PARAMETRIC DATA	4.530 .000 -5.000																							
	MACH ALPHA DALPHA Y		CYN	.01106	92,00.	. 00201		CAN	.01226	00615	. 00260	.00128		NA.C	90900	.00783	.00389	72100.		CAN	.00304	.00830	. 0051 <i>2</i>	.00218
			ć	.02740	. 03135	.02525		Շ	. 02290	. 02825	. 02907	.02779		λū	.01705	.03013	. 02865	. 02856		ć	.01860	. 02306	.0269⁴	. 02863
			CLM	01466	95,000	.00157		5	01709	00901	00534	. 00045		100	00790	01359	00713	00177		<b>1</b> 7	00385	01257	00796	00401
	(0.10.10	6.65	3	03385	03517	03779	6.65	3	02539	03609	03391	-,03668	6.65	8	01783	03524	03430	03574	6.65	C	01993	02954	03528	-,03365
	27.0000 IN. YS .0000 IN. YS	RN/L	7	402.460	800.950	999.970	RN/L -	7	399.110	598.860	798.650	938.840	FBV/L	7	400.170	601.700	801.060	1000.300	RN/L	2	399.210	599.710	799.580	900.740
		. 597/ 0	×	164	15. 15.	450	298/ 0	×	300.330	300.250	300.310	300.390	299/ 0	×	600.560	600.910	600.770	600.770	0 /009	×	900.500	900.650	900.570	900.610
DATA	XMRP YMRP ZMRP	PCN NO.					PUN NO.						RUN NO.						RUN NO.					
	ACHES						_						•						•					
REFERENCE	2690.0000 50.FT 1290.3000 INCHE 1290.3000 INCHE																							
	SPEF LREF BREF SCALE																							

### IAI3 SPB(SB) H/O PLUPES SEPARATING FROM 09710

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(RTJ391)

ATA XHBP • I	<u> </u>	X 2 3			MACH .	PARAMETRIC DATA 4,530 PTOT.	C DATA PTOTAL - BETA -	000.011
INCHES ZHRP .	400.0000 IN. 2	<b>52</b>			DALPHA -	-5.000	DBETA PCHMBR	000 '-
RUN NO. 6017 0	BN/L	<b>6</b> .62						
×	2	ઠ	£	č	CYS			
₹Ŗ.	49.933	04282	00314	.05176	. 00 <b>892</b>			
252	99.704	04514	00209	. 04613	£1600.			
.220	150.170	04748	00210	.03741	.01150			
##E.	200.110	04062	00547	.03511	44110.			
385.	300.260	03653	00652	*00*0·	. 00638			
.380	400.540	03478	00705	.03431	.00627			
827.	600.690	03408	00518	.03127	.00369			
617.	800.510	03717	5,000	.03103	.00057			
342	999.990	03330	00040	. 02625	.00153			
RUN NO. 602/ 0	BN/L .	6.62						
×	7	8	r T	Շ	CYN			
300.230	50.020	03175	00881	.03856	.01244			
300.310	100.410	03537	00791	.03503	.01368			
300.290	159.290	- 03927	00685	.03173	.01543			
300.350	200.450	-,03952	+1800	. 02953	.01713			
300 at 0	300.270	03506	01097	03410	55410			
300.080	399.300	03355	00916	.03076	92600.			
309.280	599,290	03322	00582	.03168	.00467			
300.240	799.280	03529	00300	,6620°	.06-301			
300.310	939.100	03579	.00100	. 02920	.00027			
RUN NO. 605/ 0	- NN/L	8.62						
×	2	Š	r,	Շ	Š			
600.570	.182	02889	00740	.02310	66800			
500.580	50.417	02828	00710	. 02182	.00815			

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.00870 .00831 .00931 .01361 .00608

.01990 .01901 .01773 .02118 .02959 .03107

-.007%1 -.00713 -.00872 -.01235 -.00535

-,02568 -,02465 -,02795 -,03316 -,03396 -,03336

99.992 150.000 152.290 298.410 400.850 600.800

600.560 600.630 600.447 600.350 600.800 600.800 (RTJ391) (31 JUL 75 )

### 1A13 SRB(SB) M/O PLUMES SEPARATING FROM 09110

	REFER	REFERENCE DA	¥.							PARAMETRIC DATA	C DATA	
SPEF - LREF - BPEF - SCALE -	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	SQ.FT. INCHES INCHES	XHRP YHRP ZHRP	1167	1167.0000 1N. XS .0000 1N. YS 400.0000 1N. ZS	w w w			MACH ALPHA DALPHA T	4.530 .000 -5.000	PTOTAL = BETA = DBETA = PCHMBR =	000 · 011
			PE NO.	0 /909	RN/L	6.62						
				×	2	ર	ಕ್ಟ	Ċ	CYN			
				900.600	006	03045	00612	. 02020	18700.			
				900.470	49.780	02600	00690	.01607	.00813			
				900.500	99.934	02375	00758	.01329	.00859			
				900.880	149.800	02195	16200'-	.01243	.00815			
				900.550	199.830	02104	00769	.01258	07700.			
				900.580	299.910	02253	00643	.01470	.00787			
				900.830	400.750	02557	00787	.01937	5√600.			
				901.383	602.070	03+89	01100	.03183	.00838			
				900.510	798.640	03258	00684	. 02827	84400.			
				900.680	999.050	034₽€	00259	45850.	92100.			
				<b>Y</b>	13 548(58)	1/0 PLUMES S	IAI3 SRB(SB) W/O PLUMES SEPARATING FROM 09710	OH 09710		(RTJ392)		(31 24, 75 )
	REFER	REFERENCE DAT	<b>∡</b>							PARAMETRIC DATA	: DATA	
GREF . LREF . BREF . SCALE .	2690.0000 50.F7, 1290.3000 1MCHES 1290.3000 1MCHES	86.FT.	XHER YHERD ZHRP	1167	1167,0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	<b>80</b> 10 10			MACH ALPHA DALPHA	4.530 .000 -5.000	PT0TAL • BETA • DBETA • PCH**BR •	.000 .000 -5.000
		_	PEN NO.	603/ 0	RN/L .	<b>6</b> .82						
				×	7	8	E T	5	23			
				K.	075	03575	00109	.04781	e000e-			
				375	49.886	03934	.00038	.04907	00140			
				ž	100.050	6+0+0	€6000.	64540.	00005			
				ž	149.970	03766	00084	.04058	. 00209			
				. 380	199.950	03416	00317	.03762	. 00322			
				Ķ	300.020	-,03253	00421	.03331	. 00438			
				677.	400.330	03308	00385	.03166	.0038⁴			
				. 455	600 · 390	03410	00183	.03320	.00065			
				.381	800.050	03643	.00078	.03314	00I7 <del>*</del>			
				.286	999 : 980	02581	00455	.02280	.00308			

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(ATJ382)
O PLUMES SEPARATING FROM 09110
IAI3 SRBISB) W/O PLUMES SEPARI
1413 \$

IA13 SOURCE DATA

DATE OF AUG 75

SPEF . LREF . BPREF . SCALE .

REFERENCE DATA	Y.A								PARAMETRIC DATA	DATA	
2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	XMBP YMRP ZMRP		1167.0000 IN. XS .0000 IN. YS .000.0000 IN. ZS	.0000 IN. XS .0000 IN. YS .0000 IN. ZS				MACH ALPHA DALPHA T	4.530 .000 -5.000	PTOTAL - BETA - DBETA - PCHHBR -	000.011
	RUN NO.	0 /+09		RN/L .	6.62						
		×	2		3	C.	ర	Z,			
		300.490		184.	03171	00493	. 04259	. 00660			
		300.300		50.232	033:5	00471	.04225	.00503			
		300.350		100.140	03540	00377	.04259	79+00.			
		300.220	,	150.010	03806	00236	.04182	8-700.			
		300,320		300.140	03409	-, 00480	03512	.00510			
		300.270		399.840	03276	-,00506	.03236	28400.			
		300.190	-	599.670	03349	00357	.03078	.00283			
		330.330		799.500	03506	00090	.03134	00010			
		300.230	_	084.656	03142	00120	.02739	.00088			
	<b>3 3 6 . . . . . . . . . .</b>	0 /809		RN/L .	6.62						
		×	2		3	٦ ۲	ដ	C			
		600.480		555	03053	00655	.04058	ر <del>کر</del> 10.			
		600.560		50.365	03134	00710	. 03889	.01230			
		600.450		100.320	03169	00766	.03752	₹110·			
		630.420		150.130	03390	00716	.03575	.01070			
		600.450		200.000	03632	00569	750EO.	.00882			
		500.420		299.750	0359 <b>5</b>	56.400	.03725	.00596			
		500.550 55.000	-	399.950	03323	00593	. 03455	67.500.			
		500 KOO		207 . 700	0364	000 ta	03050. 67060	0 t 100			
		600.430	-	999.370	03500	.00026	.03039	\$2000 ·-			
	<b>35</b> 80.	607/ 0		RN/L .	6.62						
		×	~		Š	ŗ	5	CYN			
		900.610		.33	02630	00783	.03640	.01202			
		900.570		19.794	32770	00820	.03655	.0:158			
		900.580		99.67₹	02882	0087 <b>6</b>	.03569	18110.			
		900.610		042.641	03054	00932	.03401	.01171			
		900.640		193.850	0319U	0.600	.03325	.01203			
		900.750		300.280	03601	00802	.03488	08110.			
		900.790	-	400.360	0384 <b>8</b>	16500	.03366	.00850			
		900.833		500.300	033338	77900 ·	.03166	52500.			
		200.00		9 1	30000	00,00	0.50.	11000			

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(RTJ393) ( 31 JUL 75 )

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	000.011 000. 000.2-									ж 35		000.011				
DATA	PTOTAL • BETA • DBETA • PCHMBR •									N) (3) JUL 75	DATA	PTOTAL • BETA • DBETA • PCHMBR •				
PARAMETRIC DATA	4.530 .000 -5.000 800.000									(RTJ394)	PARAMETRIC	4.530 .000 -5.000				
	MACH ALPHA BOALPHA C		CYN . 00309		CYN .00304		CYN .00211		CYN 00146			MACH ALPHA DALPHA T		CYN .00378		CYN . 00247
			CY . 02226		CY . 02229		CY .02357		CY . 03037	ROM 09710				CY .05648		CY .05904
			CLM 00%50		CLM 00443		CLM 00382		CLM 00176	1A13 SABISB) W/O PLUMES SEPARATING FROM 09710				CLM 00378		CLM 00259
		6.62	CN 02563	6.63	CN 02581	6.62	CN 02685	<b>6</b> . <b>6</b> 2	CN 03107	/O PLUMES S			9.65	CN 02998	6.62	CN 0319
	1167.0090 IN. XS .0000 IN. YS 400.0000 IN. ZS	FN/L -	2 800.040	RN/L .	2 799.880	RN/L	2 799.860	RN/L .	2 799.950	3 SPB(58) H		1167.0000 1N. XS .0000 1N. YS 400.0000 1N. ZS	RN/L .	<b>2</b> 799.960	RN/L .	2 799.870
	1167	. 609/ 0	×	0 /015 .	X 300.330	. 611/ 0	× 600.540	. 612/ 0	× 900.720	¥		• • •	. 613/ 0	x -	. 614/ 0	X 300.420
Y.	X X X X X X X X X X X X X X X X X X X	PEN NO.		PEN NO.		<b>35</b> <b>36</b>		R NO.			<b>4</b>	X 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SE NO.		₹ 8	
REFERENCE DA	SQ.FT. INCHES INCHES										REFERENCE DAT	SOLFT. INCHES INCHES	<del></del>		_	
P&FE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES										REFER	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INC ES				
	SREF - LREF - BREF - SCALE >															
	SAEF LAREF BAREF SCALE											SPREF LREF BRREF SCALE				

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NAME   1167   10000   N. X5   1167   10000   N. X5   1167   10000   N. X5   1167   10000   N. X5   1167   10000   N. X5   1167   10000   N. X5   1167   10000   N. X5   1167   10000   N. X5   1167   10000   N. X5   1167   116			₹.	3 SP8 (SB) H	/O PLUMES S	EPARATING F	ROM 09110		(RTJ3		
S. YHERP - 1167.0000 IN. XS  RAY NO. 616/ O RN/L - 6.62  RAY NO. 616/ O RN/L - 6.62  RAY NO. 616/ O RN/L - 6.62  RAY NO. 616/ O RN/L - 6.62  RAY NO. 616/ O RN/L - 6.62  ADAPHA - 5.000 RCTA - 6.00 RC		Α.							PARAMETRI	C DATA	
NAME   STATE	2690,0700 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES .0100								4,530 .000 -5,000	. ~	000°011 000°
NATION   CUM	-	<b>S S S S S S S S S S</b>	616/ 0		6.62						
TATA   PARAHETRIC DATA   PARAHETRIC DATA   PARAHETRIC DATA   PARAHETRIC DATA		ŏ	X 00.690	<b>2</b> 800.120	CN 03783	CLM 0000%	CY .06894	CYN 00226			
PARAMETRIC DATA  - XYPPP = 1167,0000 IN. XS  - YYPPP = 0000 IN. YS  - YYPPP = 00000 IN. YS  - YYPPP = 0000  IN. YS  - YYPPP = 0000 IN. YS  - YYPPP = 0000 IN. YS  - YYPPP = 0000 IN. YS			<u> </u>	3 SRB(58) H	10 PLUMES S	EPARATING F	ROM 09110		(RTJ3		JAL 75 )
S YHRP = 1167.0000 IN. YS S YHRP = 0000 IN. YS S YHRP = 0000 IN. YS S YHRP = 0000 IN. YS S ZHRP = 0000 IN. YS S ZHRP = 0000 IN. YS S ZHRP = 0000 IN. YS S ZHRP = 0000 IN. YS S ZHRP = 0000 IN. YS S ZHRP = 0000 IN. YS S ZHRP = 0000 IN. YS S ZHRP = 0000 IN. YS S ZHRP = 0000 IN. YS S ZHRP = 0000 IN. YS S ZHRP = 0000 IN. YS S ZHRP = 0000 IN. YS S ZHRP = 0000 IN. YS S Z ZHRP = 0000 IN. YS S Z ZHRP = 0000 IN. YS S Z ZHRP = 0000 IN. YS S Z ZHRP = 0000 IN. YS S Z ZHRP = 0000 IN. YS S Z ZHRP = 0000 IN. YS S Z ZHRP = 0000 IN. YS S Z ZHRP = 0000 IN. YS S Z ZHRP = 0000 IN. YS S Z ZHRP = 0000 IN. YS S Z ZHRP = 0000 IN. YS S Z Z ZHRP = 0000 IN. YS S Z Z ZHRP = 0000 IN. YS S Z Z ZHRP = 0000 IN. YS S Z Z ZHRP = 00000 IN. YS S Z Z ZHRP = 0000 IN. YS S Z ZHRP = 0000 IN. ZHRP IN. Z		<b>4</b> .							PARAMETRIC	DATA	
X         Z         CN         CLM         CY           .202         50.061        04348         .00026         .08236           .202         50.061        04479         .00125         .07821           .231         149.870        04479         .00125         .07368           .231         149.870        03882        00240         .07368           .336         400.220        03882        00369         .07368           .336         400.220        03882        00369         .07368           .336         400.220        03882        00240         .07368           .449         600.480        03192        00340         .07369           .449         600.480        04154         .00112         .07098           .449         600.480        04154         .00112         .07038           .455         1000.000        03346        00201         .05929           .438         900.310        03346        00240         .07629           .439         900.160        03563        00240         .07629           .430         50.160        03563        00344	2690,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES		1167						000. 000. -5.000		.000 .000 .10.000
X         Z         CN         CLM         CY           .202         50.061        04348         .00026         .08236           .231         149.870        04479         .00125         .07861           .231         149.870        04479         .00125         .07861           .231         149.870        04479         .00125         .07861           .306         300.060        03482        00240         .07366           .306         300.060        03582        00240         .07366           .449         600.480        03598        00349         .06862           .449         600.480        03598        00240         .05662           .449         600.480        04154         .00112         .05662           .449         600.480        04154         .00112         .05662           .449         600.480        04154         .07033         -           .655         1000.000        03466        00201         .05629           .817         2         CM         CLH         CY           .8300.490         50.160        03563        00344         .07450	•	RUN NO.	620/0	RN/L .	6.62						
7.02 50.06104348 .00026 .08236 .259 99.97104479 .00125 .00125 .00281 .231 199.97104479 .00125 .00125 .007861 .231 199.97002469 .00060 .07568 .231 199.9700370500280 .07568 .359 400.2200370500396 .07098 .359 400.2200370500396 .07039 .06802 .439 600.4800371200309 .06802 .439 600.4800371200309 .06802 .055 1000.000034600201 .05529 .06929 .200476 .07908 .300.460 .350.990036300344 .07250 .05253 .300.5200380400344 .07250 .05253 .300.520 .0377700429 .05929 .06939 .300.6300377700429 .0673203704 .00116 .06752 .300.540 .00303903704 .07450 .06752 .00304 .000139 .00116 .005752 .005754 .000139 .00116 .005754 .005754 .000139 .00116 .005754 .00			×	2	8	CLM	ઠ	CYN			
231 199.97009479 .00162 .07568 .231 199.97009469 .00060 .07568 .231 199.9700370500240 .07568 .300 .6600370500240 .07568 .359 90.0220389603410 .05963 .969			505	50.061	04348	92000.	.08236	3400.			
291 199 8500388200240 .07306 .359 400.2200388200240 .07306 .359 400.2200370500386 .07098 .259 400.2200370500309 .06802 .449 600.4800371200309 .06802 .449 600.4800371200309 .06802 .255 1000.0000334600201 .05929 .2592 .200406 .00009 .2502 .25029 .200406 .00009 .2502 .25029 .200406 .00009 .2502 .25029 .200406 .0036100240 .00260 .2502 .25029 .25029 .200406 .00361 .2502 .25029 .25029 .200361 .00742 .25029 .25029 .200361 .200406			£ 5.	149.870	69140	09000.	07568	06590.			
355 300.0600370500366 .07098 .359 400.2200359802410 .05953 .449 600.4800371200309 .06802 .449 600.4800371200201 .059530555 1000.0000371200201 .05929 .255 1000.0000334600201 .05929 .255 1000.0000358100240 .07908 .250.480 50.1600358100240 .07908 .250.480 50.1600358100344 .07450 .07255 .250.530 +.003600385800344 .07450 .07255 .250.530 +.003600377700349 .07450 .05559 .250.530 +.003600377700349 .06559 .250.530 .00019 .000019 .000019			<u>&amp;</u>	199.850	03882	00240	.07306	86900.			
359 400.2200359803410 .05953 449 600.4800371200309 .06802 449 600.4800371200201 .05929 6055 1000.000034600201 .05929 6055 1000.000034600201 .05929 2 CN CLH CY 300.480 50.1600358100540 09019 300.460 50.1600358100344 07422 300.460 150.0000365800344 07422 300.530 199.9400395800344 07422 300.530 199.9400396800344 07422 300.530 400.0800377700429 66559 300.530 400.0800377700425 66754 300.540 1000.5300377700425 66754 300.540 1000.5300377700426 66754 300.540 1000.5300377700416 66754 300.540 1000.5300377700116 66754 300.540 1000.53003975 66754			306	300.060	03705	00386	96070.	.00638			
### 800.3400371200309 00802			359	400.220	03698	01+00-	.06963	8+500.			
817/ 0 RN/L = 6.62  817/ 0 RN/L = 6.62  300.410  .000  .00346 00201  .05929  300.410  .000  .00351 00476  .07601  300.400  50.160 03563 00476  .07602  300.460  150.000 03563 00476  .07450  300.520  599.928 03817 00351  .07562  300.520  599.920 03956 00351  .07525  300.520  800.410 03904 00429  .05951  300.520  800.410 03704 00429  .05951  300.500  800.410 03304 00429  .05704  300.500  800.410 03304 00429  .05704			£ 33	800.310	40140	50500	50560.	00165			
X         Z         CN         CLH         CY           300.4:10         .000        03581        00540         .08019           300.4:00         .000        03683        00476         .07908           300.4:00         50.160        03683        00476         .07908           300.4:0         50.160        03817        00361         .07542           300.5:0         150.000        03856        00344         .07450           300.5:0         199.940        03856        00394         .07450           300.5:0         299.920        03965        00429         .06559           300.5:0         209.920        03904        00429         .06559           300.6:0         600.410        03777        00429         .06591           300.6:0         800.530        03475        00429         .06752           300.6:0         1000.000        03975        00116         .06752			.055	1000.0001	03346	00201	.05929	.00329			
2 CN CLF CY .0000358160540 .08019 50.1600358160540 .07908 99.9280381700361 .07542 150.0000395500344 .07450 199.9400395500356 .07225 229.9200390400429 .06959 400.0800377700429 .06951 600.4100377700429 .06951 800.5300397500116 .06752	•	<b>35 76</b> .	617/ 0	RN/L .	6.62						
50.1600358100540 .08019 50.1600365300476 .07908 99.9280381700361 .07542 150.0000385600344 .07450 199.9400396500359 .06959 400.0800377700459 .06959 800.5300377700459 .06959			×	7	3	, 1	5	Ž			
50.160036300476 .07908 99.9280381700361 .07642 150.0000395500344 .07450 199.9400396500359 .07255 299.9200380400429 .06959 400.0800377700429 .06951 600.4100377400116 .06754 800.5300397500116 .06757		×	014.00	000	03581	60540	61080	.01107			
99.9280381700361 .07642 150.00003856003v4 .07v50 199.9400396500305 .07225 299.9200380v00v29 .06959 400.0800377700v29 .06951 600.410037700116 .06757 1000.00003931 .013x .05757		æ	00.480	50.160	03663	00476	.07908	16600.			
150.00003856003v4 .07v50 199.9v00396500305 .07225 299.9200380v00v29 .06959 400.0800377700v29 .05951 600.v10037700126 .06757 1000.0000391 .013x .06753		×	360	99.958	03817	00361	54940.	77600.			
199.9%		æ	09+.00	150.000	03858	77E00'-	.07450	65600.			
299-920 - 03804 - 00429 06959 400-080 - 03777 - 00455 06951 600-410 - 03704 - 00129 06594 800-530 - 03975 - 00116 06752 1000-000 - 03991 07146 06753		ສຸ	00.530	199.940	03965	00306	.07225	. 00952			
400.080 - 03777 - 00455 . 05951 600.410 - 03704 - 00429 . 06704 800.530 - 03975 - 00116 . 06752 1000.000 - 03991 . 07154		₩ ;	0.520	299.920	03804	00429	65690	. 00856			
800.53003791001050057500110503797001000379100105		S	10.830	*00.080	03750	00455	15650.	.00697			
- 1000.000 AFICA (1980) - 000.000		; R	0.670	900 S30	#0/ CO	1,00403	-00 / 00 .	\$9500°			
		; <u>R</u>	, o, c,	1000.000	16610 -	92.100	307 00.	. 000.00g			

(RTJ395) (31 JUL 75 )

PARAMETRIC DATA

### REFERENCE DATA

PTOTAL .	BETA .	085.14	PCHMBR
4.530	000.	DALPHA5.000 DBETA	400.000
•	•	•	•
HACH	ALPHA	DALPHA	<b>&gt;</b>
• 1167.0000 IN. XS	0000 IN. YS	BREF = 1290.3000 INCHES ZMRP = 400.2000 IN. ZS	
•	•	•	
X	YHR	7747	
2690.0000 SQ.FT.	1290.3000 INCHES	1290.3000 INCHES	0010.
•	•	•	•
395	LAEF	BREF	SCAL

000.011

#### 6.62 RN/L RUN NO. 618/ 0

C	.01883	.01844	51710.	.01580	94410.	.01203	.00935	.00582	. 50311	00066
Շ	.07423	67070.	6+0/0.	. 05892	.06766	.06673	.06850	.05688	. 06499	.06768
C.	00698	00777	00818	00745	00626	00518	00577	00496	00318	¥7.000.
3	03479	03353	03345	03526	03754	03869	03663	03726	03786	03993
2	35	50.153	100.230	150.170	200.050	239.980	399.970	599.840	799.530	999.190
×	600.650	600.330	600.460	600.350	600,390	600.370	600.420	600.270	600.280	600.350

#### F3/L RUN NO. 619/ 0

CYN	. 020 i	06610	16610.	.01961	.01399	.01782	.01418	96900	16400	98000.
ბ	.08127	.05956	.05851	.05876	. 06007	.06316	.06494	.06819	64490	.06737
<b>1</b> 0	E+800'-	00890	00917	00953	00952	6+800 -	00744	00577	00457	00098
3	02896	02964	03128	03254	03378	03686	03780	0374B	03733	03944
2		49.844	99.776	149.840	199.930	300.150	400.500	600.270	800.480	1600.200
×	600.650	900.560	900.530	900.590	900.500	900.660	900.940	900.870	900.830	900.750

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### (RTJ396) ( 31 JUL 75 )

IA13 SRB(SB) W/O PLUMES SEPARATING FROM 09710

REFERENCE DATA	1							PARAMETRIC DATA	DATA	
SAEF * 2690.0000 SQ.FT. LAEF * 1290.3000 INCHES SCALE * .0100	9847 2847 2847	1167.	1167.0000 (N. XS .0000 (17. YS 400.0000 (N. ZS	12.10.12			MACE: ALPHA - DALPHA - Y	4.530 .000 -5.000	PTOTAL = BETA = DBETA = PCHMBR =	000.011
	<b>3 3 6 9 9 9 9 9 9 9 9 9 9</b>	851, 0	RN/L -	6.63						
		×	7	3	5	Շ	CYN			
		38.	300.430	03555	00997	16650.	77710.			
		.483	400.600	04002	00642	.06854	1,600.			
		116	6c3.690	03843	00517	. 06741	3450ú.			
		663.	800.650	04145	00084	.06782	.00100.			
		. 123	1000.300	04051	.00153	.06206	.00148			

×	7	Z
. X	300.430	03555
.483	400.600	04002
116.	6c3.690	03843
66₃.	800.650	04145
. 123	1000.300	04051

	ć	.06035	.05506	.05334	.05179	.05531	.05083	.06719	.06591	.06664
	C.	00728	+1600	B*600 -	-,€600.	POT 10.	01002	00629	00.57	.00169
6.63	3	02F2v	03536	03469	03533	03272	03654	03881	03920	04207
RN/L .	7	50.003	100.060	149.830	199.190	300.700	400.630	600.500	800.840	939.980
622/ 0	×	300.410	300.576	300.330	300.210	300.590	300.520	300.670	300.650	300.310
REN NO.										

02232 02235 02356 02370 02514 02328 01480 00680

6.63	
RN/L	
623/0	
PCN NO.	

CYN	.01537	.01553	.01573	£7710.	.01930	.00873	96+00	₹8000°
ሪ	.03603	.03508	.03647	.04397	05580	. 06543	64490.	.06680
נרא	00825	00364	0)870	<b>6</b> ,00979	01409	00707	00526	00041
3	02532	+0420	62374	02702	02816	04083	03829	.64031
2	100, 170	150. 40	199.35	298.860	400.030	600.680	800.830	1000.000
×	600.470	603.440	600 - 200	599.950	600.470	600.760	600.810	600.470

	9.53C PTGTAL = 110.000 .000 BETA000 -5.00C DBETA > -10.000 200.000 PCHHBR000
	MACH . 1. ALPHA5. DALPHA5.
	XXARO = 1167.0000 IN. XS YYRO = .0000 IN. YS ZYRO = +00.0000 IN. ZS
<b>1</b> 4	XH89 = 116 YH89 = 40
REFERENCE DATA	SAEF = 2590.0000 SQ.FT. LREF = 1290.3000 INCHES SCALE = .000
	SPEF . LREF . BPREF .

### RN/L = 6.63 RUN NO. 624/ 0

CYR	. 00875	₩9200.	.00715	+9800°	.01174	.01212	<b>,0000</b> .	.00227
Շ	.03915	.04007	.04174	. 04436	. 04989	. 06358	.06353	. 05590
CLM	00605	-, 00625	00710	+.00718	00790	01044	00578	00267
3	02781	0250+	02158	02177	02679	04008	03844	03835
7	99.930	149,780	199.710	300.000	400.850	602.420	798.560	999.090
×	900.250	900.550	900.310	900.820	900.990	901.190	900.180	900.450

## 1A13 SRB(SB) M/O PLUMES SEPARATING FROM 09710

REFERENCE DATA

#### PARAMETRIC DATA

(RTJ397) ( 31 JUL 75 )

PTOTAL .	BETA -	DALPHA5.000 DBETA10.000	PCH-188
	YHRP • .0000 IN. YS		
delicx	YHRO	ZHE	
2690.0000 SQ.FT.	ın	BREF = 1290.3000 INCHES	0010.
138	- LAEC	- 43HB	SCALE .

#### RN/L - 6.63 RUN NO. 625/ 0

CYN	.01328	.00651	.00162	.00257
5	. 06264	. 06533	. 06820	.06010
r d	01399	00682	00214	.00193
8	04040	690+0 -	04122	04157
7	403.020	601.020	800.850	999.950
×	656	16°C	ETT.	129

### RUN NO. 628/ 0 RN/L - 6.53

	.01522			
Ç	. 05502	.06382	.06510	.06478
C.	01582	00720	-,00521	14100
3	02886	04459	03771	- 24180
2	398.350	599.250	79E. ±00	998.730
×	300.090	300.320	300.060	300.200

ı	ļl	
	h	٠
l	H	

Name		UATE UE AUG 75	X 5141	IAI3 SOURCE DATA	⋖						<b>a</b> .	PAGE 463
### PARAMETRIC DATA  - 1260-1000 9.0 FT. XY29 - 1167-1000 1N. X\$  - 1260-1000 10-CES				IAI	3 SRB(SB) k	I/O PLUMES S	SEPARATING F	ROH 09710		(RTJ3		JAL 75
F. = 1890, 1000 93, FT. XY2P = 1167,0000 1N. X5 F. = 1890, 1000 10CHES			DATA							PARAMETRI	C DATA	
RAY NO. 627   0 RN/L   6.63   CLM   CV   CVN   CVN   COO   CLM   CV   CVN   COO	lal .	2690.0000 50.8 1290.3000 1NCF 1290.3000 1NCF			0000 IN. XS					000. 000. 000.	. ~	.000 .000 -10.000
800.550 400.1600261200322 .00539 .00549 8.006633 8.00743 800.050 801.007 8.0			RUN NO.	627/0		6.63						
800.259				×	2	ક	E.S.	ć	CYN			
600.700 601.67001846008480084800848   600.700 601.070018460081200848   600.700 601.070018460081200818   600.700 620 1000.200018460081200818   600.700 140 399.0200184800818   600.400 399.02001848   .01848   .00848   600.400 399.020   .01848   .01848   .00884   .008848   600.400 399.020   .01848   .00884   .00884   .00884   .00884   600.400 399.00   .01848   .00848   .00884   .00884   .00884   600.400 140 450 399.00   .01848   .01848   .00884   .00884   600.400 140 450 399.00   .01848   .00884   .00884   .00884   600.400 140 450 399.00   .01848   .00884   .00884   600.400 140 450 399.00   .01848   .00884   .00884   600.400 140 450 399.00   .01848   .00884   .00884   600.400 140 450 399.00   .01848   .01848   .00884   600.400 140 450 399.00   .01848   .00884   .00884   600.400 140 450 399.00   .01848   .00884   .00884   600.400 140 450 399.00   .01848   .00884   .00884   600.400 140 450 399.00   .01848   .00884   .00884   600.400 140 450 399.00   .01848   .00884   .00884   600.400 140 450 399.00   .01848   .00884   .00884   600.400 140 450 399.00   .01848   .00884   .00884   .00884   600.400 140 450 399.00   .01848   .00884   .00884   600.400 140 450 399.00   .01848   .00884   .00884   .00884   600.400 140 450 399.00   .00884   .00884   .00884   .00884   600.400 140 140 140 140 140 140 140 140 140			40	000.550	400.160	02012	00752	.04595	. 00863			
RUM NO. 628/ 0 RN/L = 6.63			up uc	001.000	801.630	04020	01252	.06529	.01047			
NAME   NAME			υΦ	00.620	1000.200	04034	00112	.06612	.00143			
September   Sept			RUN NO.	0 /829		6.63						
### FEFENCE DATA  - 8690.0000 S0.FT. XMRP = 1167.0000 IN. XS - 1290.3000 INCHES ZMRP = 1000				×	2	3	ī	ð	Z			
## 1290.190			σ	044.00	399.020	01913	00443	91740.	.00460			
### 1900-510 799-6400436200699 .06649 .00699 .00699   .00699			60	00.480	599,660	03583	01111	.05843	.01061			
### FEFERICE DATA  ### REFERENCE DATA  ### REFERENCE DATA  ### REFERENCE DATA  ### REFERENCE DATA  ### REFERENCE DATA  ### REFERENCE DATA  ### REFERENCE DATA  ### REFERENCE DATA  ### REFERENCE DATA  ### REFERENCE DATA  ### REFERENCE DATA  ### REFERENCE DATA  ### REFERENCE DATA  ### REFERENCE DATA  ### REFERENCE DATA  ### REFERENCE DATA  ### REFERENCE DATA  ### REFERENCE DATA  ### RAMPERS			6	00.510	799.640	04362	00609	.06245	.00685			
TALE SEPARATING FROM DOTIO   CATA   PARAMETRIC DATA   PARAMETRIC			Ó	00.450	998.500	03742	00381	.06601	.00252			
### PARKETER DATA  ### REFERENCE DATA  ### PARKETRIC DATA  ### PAR				1413	SP8(58) H.	10 PLUMES S	EPARATING F	ROH 09710		(RTJ3)		. K . W
#ACH = 4.530 PTOTAL = 1107  * 1290.3000 IN. XS			ATA							PARAMETRIC	DATA	
RUN NO. 629' O RN/L = 6.62  RUN NO. 629' O RN/L = 6.62  X	SREF LREF BREF	- 2690.0000 SQ.FT. - 1290.3000 INCHES - 1290.3000 INCHES		0.004						€.530 000,	PTOTAL - BETA -	000.001
X Z CN CLM CY 5.62 2000 15768 188 559.8000506401250 15768 188 559.80005664 00305 16424 659 999.850 04.178 00101 15155 659 899.850 04.178 00101 15155 659 899.850 04.178 00101 15155 2 CN CLM CY 2 CN CLM CY 2 CN CLM CY 2 CN CLM CY 2 CN CLM CY 2 CN CLM CY 2 CN CLM CY 2 CN CLM CY 2 CN CLM CY 15066	SCALE .	00100							• -	000.	PCHMBR .	000
X Z CN CLM CY  .000 .0000506401250 .15768 .188 599.8000539400564 .16539 .756 800.8200417800101 .15153  630/ 0 RN/L = 6.62  X Z CN CLM CY  300.380 399.9500417800101 .15153  310.580 600.2200599800930 .15056 2599.350 799.20005584 .00929 .16362			RON NO.	629.	RN/L -	6.62						
.000 .0000506401250 .15768 .1689 .188 599.8000539400564 .16539 .16424659 999.8500417800101 .15155659 999.8500417800101 .15155659 899.8500417800101 .15155659 899.8500399800930 .150686599.8500513100920 .1564400564651400564651400564651400564651400564651400564651400564651400564651400564651400564651400564651400564651400564651400564651400564651400564651400564				×	~	ટ	CL	Շ	C			
188 559.800 05354 00564 16539 756 800.820 05668 00305 16424 6559 959.850 04178 00101 15155 830 / 0 RM/L = 8.62 CLM CY 330 380 393.950 03999 00930 15066 330 893 2 05131 00929 16362 5293.350 05584 00001 16414 00001 16414 00001 16414 00001 16414 00001 16414 00001 16414 00001 16414 00001 16414 00001 16414 00001 16414 00001 16414 00001 16414 00001 16414 00001 16414 00001 00001 16414 00001 000001 00001 00001 00001 00001 000001 00001 00001 00001 000001 00001 00001 00001				000	000	05064	01250	.15769	.01370			
756 800.82005668 .00305 .16424 659 999.8500417800101 .15155 630/ 0 RW/L = 6.62 X				98	599.800	0539+	00564	. 16539	69+00.			
830/ 0 RN/L = 8.62 X Z CN CLM CY 300.380 399.9500399800930 .15085 300.880 800.2200513100929 .16362 299.300 74005584 .00001 .16414				. 659 659	800.820 999.850	05668	.00303	\$\$ 50	00208			
2 CN CLM CY 300.380 399.9500399800930 .15088 300.580 600.2200513100929 .16352 299.350 799.20005584 .00001 .16414			2	0 /02.8	Š	6						
2 CN CLM CY 399.9500399800930 .15066 600.2200513100929 .16352 798.20005584 .00001 .16414			5	200		<b>9</b>						
399.9500399800930 .19086 600.2200513100929 .16362 798.20005584 .00001 .18419				×	7	3	C.	Ç	CYN			
16362 - 16362 - 16362 - 16362 - 16362 - 16362 - 16362 - 16362 - 16363			ਜ i	96.380	399.950	03998	00930	. 15086	.012 <b>6</b> 4			
#1#91. 10000. #8500 001.800			ৰ ১	00.680	600.820	15150		. 16362	<b>≯</b> 0800.			
			ij h	525.00	798.200	-,05584	10000.	10414	£ 4000 · -			

(RTJ398) ( 31 JUL 75 )

PARAMETRIC DATA

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### REFERENCE DATA

_		'	
PTOTAL -	BETA .	DBETA -	PCHMBR .
4.530	000	-5.000	PG 000. ■ ¥
•	•		•
MACH	ALPHA	DALPHA	<b>&gt;</b>
1167.0000 IN. XS	YMAP0000 IN. YS	400.0000 IN. ZS	
•	٠	•	
OF THE	YMERO	ZHBB	
2690.0000 SQ.FT.	LREF . 1290.3030 INCHES	1290.3000 INCHES	.0100
	•	•	<b>0</b>
SREF	LREF	BAEF	SCAL

110.000 .000 -20.000

#### RN/L - 6.62 RUN NO. 637/ 0

				1	0 / 023	5
00262	. 16320	.00252	05255	999.770	599.460	
.00309	. 16485	00456	05339	801.740	601.210	
.01105	. 16233	01165	05253	599.810	600.140	
.00407	. 13892	00364	02913	400.170	600.820	
CYN	Ç	E C	3	2	×	

#### 8.62 RN/L PUN NO. 638/ 0

×	И	ર	r.	Շ	CYN
900.820	400.080	02923	00148	61041.	00089
900.450	598.890	04525	00677	15744	.01016
901.230	801.610	05099	00781	. 16379	.00590
899.410	999.790	05347	5,000.	.16591	00138

## IA13 SRB(SB) M/C PLUMES SEPARATING FROM 09T10

(RTJ399) (31 JUL 75 )

#### REFERENCE DATA

	110.000
: DATA	4.530 PTOTAL000 BETA5.000 DEETA 200.000 PCH*BR
PARAMETRIC DATA	4.530 .000 -5.000
	MACH ALPHA - DALPHA -
	2. XS 2. XS 2. ZS
	XX .NI 0300 1N. XS YHRP = .0000 1N. YS ZHRP = 400.0000 1N. ZS
<b>4</b>	XX48P . YF4RP . ZF4RP
REFERENCE DATA	- 2690.0000 54:FT. - 1290.3000 INCHES - 1290.3000 INCHES - 1290.3000 INCHES
	SPREF BPREF SCALE

#### RN/L . 18.62 RUN NO. 832/ 0

Č	.01569	.00683	00270	00052
Շ	13044	.16095	.16618	.15556
CL*	00980	00519	.00146	. 00263
8	04427	04742	05368	04863
7	401.250	598.120	799.020	998.850
×	.103	073	362	į.

#### RN/L . 6.62 RUN NO. 631/ 0

×	7	3	CLT	Շ	Š
300.290	400.160	03423	01385	. 14635	0.940
300.670	600.463	04713	00686	.16167	67.800
300.810	801.120	05182	00202	. 16578	98000
300.380	1000.100	05199	.00361	. 16508	00460

000.011 000.05-

465

1.6

(3) JUL 75

(RTJN00)

IA13 SOURCE DATA

### 1A13 SPB(SB) M/O PLUMES SEPARATING FROM 09110

	. 000 -20.000 . 000																																
: DATA	PTOTAL = BETA = DBE; = PCHMBR =																																
PARAMETRIC DATA	4,530 ,000 -5,000 +00,000																																
	MACH ALPHA DALPHA Y		CYN	.03430	.03582	.03618	.03527	. 02854	.01903	. 00652	00003	00619		CAN	03888	. 01A77	.03630	03260	<b>46020</b>	.02200	67800	.00338	00468		3	A0110	16020	10200	002.00	00000	5,050.	0110	00196
			5	. 13307	. 12366	.11860	.11645	.12645	. 14422	. 16261	.16554	.16740		ò	3701	11.98	11311	.11802	. 13037	. 13967	. 15935	.16080	.16725		?	701	4	11982	1447B	D/001.	7 7 7	970	. 16627
			CL	00408	00573	00741	00885	01192	01050	00455	00163	.00365		C.H	-,00774	90600 -	01068	01172	01121	01113	00575	00356	.00178		1	-,00789	01071	62010	22   10 -	50.0	19010-	10 SO . I	00055
		6.62	ક	04747	04150	03791	03505	03041	03386	04590	04930	05172	6.62	8	03998	03728	03377	03032	03119	03233	04428	04658	05019	6.62	3	03706	03170	02968	03014	F 8450 -	10640	-, 04504	04853
	1167.0000 IN. XS .0000 IN. YB 400.0000 IN. ZS	FN/L .	7	50.373	99.990	149.810	199.790	299.980	399.880	600.240	800.900	939.900	RN/L -	7	50.829	100.120	150.120	199.770	299.990	400.060	600.250	799.660	040.666	FN/L -		99.872	150.040	199.790	300.220	400 350	600.270	799.440	959.260
	• • •	NO. 634/ 0	×	300.700	300.510	300.420	300.230	300.000	300.270	300.630	300.840	299.540	40. 635/ 0	×	599.930	600.100	600.280	600.253	600.420	600.530	600.360	600.040	600.090	Ø. 640/ 0	×	899,980	900.630	900.780	901.070	900.950	900.510	900.250	900.320
REFERENCE DATA	SAEF = 2890,0000 SQ.FT, XMRP LREF = 1290,3000 INCHES YMRP BRYF = 1290,3000 INCHES ZMRP SCALE = .0100	RUN NO.											RUN ND.											RUN NO.									

:

0ATE 02 AUG 75	AUG 75	IA13 SOURCE DATA	7.						ď	PAGE 467
		Y!	IAI3 SRBISB) M/O PLUNES SEPARATING FROM 09110	10 PLUMES S	EPARATING F	ROM 09110		(RTS-01)	31. (31 JAL	J. 57 J.
	REFERENCE DATA	ITA						PARAMETRIC	DATA	
SPEF BREF SCALE	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES	XHRP • ZHRP	1187.0000 IN. XS .0000 IN. YE 400.0000 IN. ZS				MACH ALPHA - OALPHA - Y	4.530 .000 -5.000 800.008	PTOTAL BETA BETA PCHMBR =	. 000 . 000 -20.000
		RUN NO. 841/ 0	RN/L .	9.82						
		× .508	Z 799.980	CN 04930	CLM .00302	CY . 16980	CYN 00870			
	_	RUN NO. 6427 0	RN/L .	6.63						
		X 300.570	<b>₹</b> 800.010	C8 04934	CLM .00236	CY .1728¥	CYN -,00863			
	-	PUN NO. 643/ 0	RN/L -	5.63						
		800.660	2 800.160	CN 04761	CLM . 00052	CY .16818	CYN 00523			
	-	RUN NO. 644/ 0	RN/L .	6.63						
		አ 900. 740	2 800.100	07670 - 1	CLM 30130	CY . 16375	CYN 00166			
		<b>*</b>	1413 SPBISB) H/O PLUMES SEPARATING FROM 09110	O PLUMES SA	EPARATING F	FOH 09T10		(RTJ402)	-	31 JAL 75 1
	REFERENCE DATA	¥¥.						PARAMETRIC DATA	DATA	
BREF LREF BREF SCALE	2990.0000 90.FT. 1290.3000 INCHES 1290.3000 INCHES	XYRR • 1167 YYRO • ZYRO • 400	1187,6000 IN, X8,000,000 IN, X9				MACH ALPHA OALPHA T	000.01-	PTOTAL BETA BETA PCHEBR B	000. 000. 000. 000.
	-	RUN NO. 645/ 0	PAVL .	6.63						
		х 871.	2 200. <b>280</b>	CN . 08558	CL# 0043	CY 01838	CYN . 00106			
		BG	300.730	08760	01161	01787	.00203			
		£.	601.300	07412	00796	03056	00042			
		854. 153	801.210 1000.100	07570 07901	00213 .00397	03202	00007			

(RTJ402) ( 31 JUL 75 )

## IAIS SABIES) WIO PLUMES SEPARATING FROM 09710

#### 000.011 PTOTAL = BETA = 09ETA = PCHEBR = PARAMETRIC DATA ALPHA - 4.530 ALPHA - .000 DALPHA - .10.000 Y . 1167.0000 IN. XS . 0000 IN. YS . 400.0000 IN. ZS REFERENCE DATA SPEF = 2990,0000 90.FT. ) LREF = 1290,3000 INCHES 1 SCALE = .0100

### RUN NO. 848/ 0 RN/L = 6.63

×	7	8	占	Շ	3
900.690	86	-, 06880	-,00893	02214	66000.
900.570	50.450	08113	00851	02371	G+000.
900.580	100.170	08053	00710	02699	.00080
900.590	150.510	05889	00744	02819	00000
900.650	200.780	-, 05699	<b>007</b> ¥7	02936	00032
900.570	300.120	05320	00700	03115	00051
900.700	400.180	05729	00437	03242	00014
900.660	600.480	07372	01135	02743	00169
900.840	801.520	07609	00839	02763	00534
900.590	1000.100	07148	00507	03253	0005

## IAIS SABISB) M/O PLUMES SEPARATING FROM 09710

(RTJ-03) ( 31 JUL 75 )

PARAMETRIC DATA

### REFERENCE DATA

			1			į	1	
3	•	2690.0000 SQ.FT.	Š	•	1167.0000 IN. XS	202	3.030	5
1	•	1290.3000 INCHES	7	•	LREF = 1290.3000 INCHES YHERP = .0000 IN. YS	ALPHA .	ALPHA000 BETA	BETA
	•	1290.3000 INCHES	2	•	400.0000 IN. ZS	DALPHA -	-10.000	DBETA
SCALE	•	0010				• >	200.000	PC+FB88

. 000 . 000 5. 000

### RLN ND. 846/ 0 RN/L = 6.63

25	00100	.00208	. 00205	. 000 <b>62</b>	00188	00270
Շ	01 <b>0</b> 40	02789	03163	03185	-, 02898	02826
5	000	00839	-,00700	00182	******	00327
8	CC 160	07143	07193	07409	07853	00k1k
~	200.250	300.170	399.830	599.020	799.460	999,600
×	Ę	Ř.	.223	180	<b>≯</b> :	319

, £

PA 76 92	DATE OF AUD 75	1413	IAI3 SOURCE DATA	7A						•	PAOE 469
			<b>*</b>	1A13 SPB(SB) M/O PLUNES SEPARATING FROM OBTIO	WO PLUES	SEPARAT ING	FROM 08110		(RTJ+03)	_	31 JAL 75
	REFERENCE DATA	MTA							PARAMETRIC DATA	C DATA	
37V3S 138EL 138EL	2000.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	X 7489	1167	1167.0000 IN. XS .0000 IN. YS 400.000G IN. ZS	<b>አ</b> ቀ ረሳ ኒሳ			MACH ALPHA -	4.530 .000 -10.000 200.000	PTOTAL = BETA = DBETA = PCHEBR =	000.011 000.000 5.000.
		<b>3 3 3 3 3 3 3 3 3 3</b>	0 /670 .	- 1/NJ	6.63						
			×	2	8	ğ	5	Š			
			900.600	Ķ	08615	00839	02579	.000			
			900.410	49.788	06478	00682	02846	0000€			
			064.006	100.130	06434	00613	02836	00060			
			900.530	150.190	-,06523	005¥8	0277 <b>8</b>	00128			
			900.580	200.210	08347	00531	02633	00199			
			900.530	300.310	06735	00522	02510	00251			
			900.680	401.0+0	07508	00517	02533	00208			
			900.950	601.760	07771	0109	02649	00008			
			900.430	798.260	07149	00672	03958	2.000°-			
			900.390	938.960	07330	00126	03115	00072			
			I.	1413 SABISB) W/O PLUMES SEPARATING FROM 09110	I/O PLUMES S	EPARATING F	ROM 09710		(RTJ404)		(31.34.75.)
	REFERENCE DATA	ITA							PARAMETRIC DATA	DATA	
. 335		dellox	1167.	1167.0000 IN. XS				•	4. 330	PTOTAL	110.000
		de la						ALPHA .	000		000
SCALE	1290,3000 INCHES	<b>8</b>	- 69	400.0000 IN. 2S				DALPHA .	-10.000 +00.000	DBETA •	5.000 .000
	-	R. NO.	0 // 0	FBV/L •	6.63						
			×	7	8	ž	5	3			
			. 163	.317	05503	00607	03006	00194			
			.i.	50.119	05714	00501	02992	- 0010g			
			<u>.</u> 15	100.140	06009	00385	03096	00131			
			Ç §	150.120	08275	~.0028 <b>5</b>	. 02994	00118			
			R 86	300.060	05%1	00207	- 02951	00111			
			. 193	400.240	08872	00033	02707	15600			
			<u>6</u> 7.	599.980	06719	00087	02494	00456			
			155.	800.000	06188	00432	03035	00192			
			. 162	999.940	06175	00451	03050	00151			

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CATE 02 AUG 75

### (RTJ404) ( 31 JUL 75 ) PARAMETRIC DATA IAI3 SRB(SB) H/O PLUNES SEPARATING FROM 09710 REFERENCE DATA

		0100	. <del>1</del> 00.0	400.0000 IN. 75				DALPHA	-10.000 400.000	DBETA -	9.000 .000
		35 NO.	0 /059	FW/L .	6.63						
			×	2	8	2	Ç	Č			
			900.370	. 165	07128	00620	00687	.00109			
			900.400	49.855	07323	00659	00828	90100			
			900.400	<b>49.827</b>	05*20	00712	01017	CC000.			
		-	900.520	149.990	07610	00764	01203	. 00082			
		-	900.610	200.340	07696	00901	01350	<b>→6</b> 000·			
			900.430	300.520	07615	00007	01781	69000.			
		•	900.540	400.850	07311	00808	02543	.00021			
			900.700	600.930	0719	00555	03227	.00102			
			900.750	900.770	07373	00108	03121	00017			
			900.500	999.310	07288	.00121	02928	00221			
			IAI	M (85)865 1	/O PLUMES S	IAI3 SABISBI WO PLUNES SEPARATING FROM 09710	ROM 09710		(RTJ+05)	5) (3) JL 75	ž Š
<b>W</b>	REFERENCE DA	DATA							PARAMETRIC DATA	DATA	
SPEF = 2000.00 LPEF = 1290.30 BPEF = 1290.30 SCALE = .01	2000.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	.00.00	1187.0000 IN. XS .0000 IN. YS .000.0000 IN. ZS				MACH ALPHA - CALPHA -	4.530 .000 -10.000	PTOTAL BETA BETA PCHEBR	.000 .000 .5.000
		<b>3</b>	0 /159	FRVL -	19 · 0						
			×	~	8	3	ð	Š			
			<b>99</b>	601.070	07197	00961	.03250	.00522			
			. 203 209	801.130 1000.100	07053	00666 .00043	.03268	.00291 .00112			
		£ 5	625/ 1	- BA/L	6.63						
			×	2	ક	2	5	Š			
			300.590	600.490	06512	01923	.03121	.00707			
			300.0%	98.850	07036	00768	.03229	11200.			
		•	300.170	996.960	07136	00276	.03096	.00181			

PAGE 471	1 31 JUL 75 1		000.01												(31 24.75)									
		C DATA	PTOTAL BETA OBETA PCHER													C DATA	PTCTAL BETA DBETA PCHHBR							
	(RTJ+05)	PARAMETRIC DATA													(RTJ+06)	PARAMETRIC DATA	4.530 .000 -10.000							
			MACH		CAS	. 00505	8/600	.00264		Č	. 00288	.00753	.00531	.00323			MACH ALPHA OALPHA		¥.	11600.	06500	00400	- 1 + 00 ·	.00193 0003*
	ROH 09710				Շ	0.00	04170	16020		ò	.01957	.02632	.02982	.03091	180M 09T10				S	0.9876	32636	. 94355	.03553	.03481 .03406
	1413 SPB(SB) WO PLUNES SEPARATING FROM 09710				S.	0:107	B2050	00563		g	00778	01717	01137	00718	1A13 SPB(SB) W/O PLUMES SEPARATING FROM 09T10				ş	00335	00607	00800	00720	00433 00175
	WO PLUMES S		10 10 10	6.63	8	* C. S. C.	55236	05936	6.63	8	04078	-,05571	05962	06831	4/0 PLUMES S		10 10 10	<b>6</b> .6	ક	08609	07829	07336	06997	070 <i>07</i>
	13 598(58)		1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	FRV/L	2	400.270	601.790	999.960	FR/L	7	398.900	599.830	800.500	988,790	13 SRB(SB) 1		1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	FBN/L •	~	200.040	300.070	400.780	600.670	800.830 1000.100
IA13 SOURCE DATA	ž		1167	653/0	×	600.600	601.020	600.550	6547 0	×	900.340	900.600	900 . 760	900.460	¥.			062/ 0	×	, 45 E	.463	.517	98.4.	. 230 . 230
1413 9		ATA	XH48	ACN HO					PCN NO.							ATA		RCN NO.						
		REFERENCE DATA	SO.FT. INCHES INCHES													REFERENCE DATA	SO.FT. INCHES INCHES							
55 55		REFE	2690 . 0000 1290 . 3000 1290 . 3000													REFE	2690 .0000 1290 .3000 1290 .3000							
DATE 02 AUG 75			SPEF - LAREF - BAREF - SCALE -														SPEF . LAEF . SCALE .							

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PARAMETRIC DATA

### 1A13 SABISB) W/O PLUMES SEPARATING FROM 08710

	000. -5.000																					
DATA	PTOTAL BETA DBETA PCHHBR																					
PARAMETRIC DATA	4.530 .000 -10.000																					
_	MACH ALPHA - DALPHA - Y		CYN	.0:123	39110	18210.	.01388	.00936	£6400°.	.00314	92000.		CAN	.00767	.00789	.00836	.00871	.01128	.01379	. 00629	.00369	96100.
			5	. 963	.04635	. 04381	41650.	.03690	.03543	.03358	.03323		5	.02991	.02642	.02467	.02419	.02522	.02794	.03556	.03350	.03248
			r o	01387	01409	01303	01289	01054	00873	00546	00086		Ş	01159	+1010	01120	01218	01348	01473	01111	007*7	00370
		<b>5</b> .0	8	06863	06999	07284	07388	07190	07041	06547	07269	<b>9</b> .0	ક	06151	06067	05637	05518	-,05966	06831	06936	07015	07017
	1187.0000 1N. XS .0300 1N. YS 400.0000 1N. ZS	RN/L .	7	99.049	150.110	199.910	300.900	400.720	600.750	800.940	1000.100	PN/L .	7	50.640	100.390	150.040	199.310	298.530	400.890	600.900	600.913	1000.000
	• • •	0 /659 .	×	300.360	300.350	300.420	300.640	300.660	300.580	300.570	300.320	. 658/ 0	×	600.613	600.600	600.560	600.370	800.230	800.700	600.770	600.800	600.570
_ ₹		PLN NO.										RUN NO.										
NCE DATA	O.FT. NOES NOES	_										_										
REFERENCE	2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100																					
	SAEF LREF BREF SCALE																					

CCYN . 00299 . 00399 . 00316 . 00516 . 00754 . 009831 . 00960 . 00960 . 00960 . 00960

CY .03385 .02830 .02818 .01962 .01959 .01959 .03732 .03232

CLM - 01110 - 01010 - 01020 - 01022 - 01147 - 01156 - 01517 - 01517 - 00830

.911 20.319 150.340 200.329 397.310 601.210 809.870

800.930 900.650 900.530 900.510 800.450 901.030 900.020 900.920

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RUN NO. 655/ 0

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CATE OF	GATE OF AUG 75	1 K	3 50%	IAIS BOURCE DATA							ď	PA0E 473
				[AI3	378 (SB) H	10 PLUMES SI	IAI3 SPBISB) M/O PLUNES SEPARATINO FROM OBTIO	OH 09710		(RTJ+07)	7) (3) W	UL 73 )
	REFERENCE DATA	Æ DATA								PARAMETRIC DATA	DATA	
SCALE	2000,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES	FT. XHRP HES YHRP HES ZHSP	• • • & & &	1167.00 .00.00	1187.0000 IN. X8 .0000 IN. YS 400.0000 IN. Z5				MACH ALPHA DALPHA T	000.000+	PTOTAL * BETA * DBETA * PCHEBR *	.000 .030 .5.000
		RUN NO.		0 /199	PN/L	ē.						
			×		~	8	5	Շ	CYN			
				962	150.250	07576	00182	<b>1.</b>	00244			
				₹.	200.090	07863	00007	.05103	00163			
				.235	300.020	07150	00399	50250	7/100.			
				* I * .	001.004	UGS (4	1,00337	19750	80200			
				3.23	800.510	07281	0+000	03749	00122			
				- 564	000.0001	06922	00042	.03340	00086			
		RUN NO.		0 /099	RN/L .	<b>5</b> .3						
			×		2	3	Ş	Ç	ČÁN			
			82	289.890	98.794	06918	00733	87870	¥6400.			
			300	300.390	150.410	07105	00669	64748	.00452			
			300	300.390	200.320	07242	00607	.04669	.00384			
			300	300.330	299.910	07698	00319	06440.	.00253			
			300	300.310	399.850	07226	00507	03890	.00360			
			300	300.240	599.650	06805	-,00800	.03518	.00338			
			300	300.210 300.310	799.540 999.390	07245	.0008 <b>3</b>	.03501	91 100 · -			
		<b>S S</b>	e G	657/ 0	- NA	<b>5</b> .						
			×		N	8	,	Շ	C			
			900	800.400	8	06511	00977	.04824	.01200			
			600	600.540	49.959	06700	01039	27.17	.01185			
			600	600.570	100.020	16290	01078	.04582	.01116			
			600	600.650	150.250	06868	01061	.045 <b>8</b> 4	<b>-86</b> 00 ·			
			600	800.690	200.350	-, 08954	01018	1870.	.00835			
			600	600.700	300.310	07217	00929	0.6,0.	*nnoo.			
			900	600.820	400.490	07591	50513	.04112	.00458			
			800	800.750	600.580	<b>8</b> 6690	0067	.03605	.00384			
			900	•	800.770	05887	003W	.03365	.00270			
			200	0.000	000.100	001/0.	00100.	D1400.	•			

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# (RTJ407) (31 JUL 75 )

	NEFE	REFERENCE DATA	<b>∠</b>							PARAHETRIC DATA	: DATA	
BREF - SCALE -	2990,0000 90,FT. 1290,3000 INCHES 1290,3000 INCHES	90.FT. INCHES INCHES	ANARA YHRRP ZHRP	1167,0000	167,0000 IN. X8 .0000 IN. Y8 400.0000 IN. ZS				MACH ALPHA DALPHA T	4.030 .000 -10.000 400.000	PTOTAL BETA OBETA PCHER	000.011
		-	RUN NO.	0 /969	FW/L	\$. \$.						
				×	7	8	ş	Շ	Š			
				900.580	.226	08167	01185	.04350	.01242			
				900.680	50.462	06265	01231	.04282	.01220			
				900.720	100.570	06434	<b>6</b> 10	.04228	5,110.			
				900.610	150.060	06281	11010	90570	97010			
				900.590	300,320	07006	01280	03843	51110.			
				900,340	309,580	07208	-,00979	.04209	.00762			
				900.450	599.310	07087	00750	.03669	.00435			
				900.470	799.560	-,06835	00653	.03219	.00380			
				900.470	999.470	06365	00328	.03277	.00152			
				IAI:	3 SRB(SB) H/	10 PLUMES SI	IAI3 SABISB) W/O PLUPES SEPARATING FROM 09110	ROM 09110		(RTJ+08)	)8) (3) JUL 75	E 25
	REFE	REFERENCE DATA	₹							PASAMETRIC DATA	: DATA	
		:			2000				7	1	0.1010	000
	1.200 3000 30.71.				.0000 IN. XS				E E E	000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	000
1000	1290.3000 INCHES	NOFES	27.00	\$					DALPHA	-10.000	DBETA	-5.000
1									-		, ,	
		_	<b>35</b> 80.	063/0	- 1/NB	£.						
				× .	2 800.100		CLM 00577	CY .02606	CYN . 00268			
		**	PUN NO.	6 /100	PAVL .	<b>5</b> .						
				X 300.300	2 800.100	. 05 <b>951</b>	CLM 00552	CY . 0 <b>256</b> 0	CYN . 00249			
		•	٦ ق	0 /S98	PAVL .	6.63						
				×	7	8	C.H.	<u>ا</u> خ د	10 CYN			
				26.00	200.000	6.00	9,000,0	C5+50.	100.			
			<b>35</b> 80.	0 /999	FN/L -	\$. •						
			_	X 900.630	2 800.280	CX 06917	C.M.	CY .03582	CYN 00215			

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DATE OR AUD 75	EA.	IAI3 SOURCE DATA	A 3 588(58) H	70 PLUMES S	DATA 1413 SABISBI M/O PLUNES SEPARATINO FROM OBTIO	30H 08T10		(RTJ409)	PAGE	s t
2690.0000 SQ.FT. 1290.3000 INCHES 1200.3000 INCHES			167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH ALPHA BALPHA T	.530 .000 -10.000	4 4 8	000.011
	PEN NO.	. 687/ 0	RN/L.	6.65						
		× .	2 800.000	ح ق ق	CLM 00415	CY . 06389	CYN . 00197			
	PUN NO.	. 668/ 0	RN/L -	8.66						
		300.490	2 800.140	CN 07141	CL.A 00073	CY .07521	CYN 00377			
	PUN NO.	0 /699	RN/L .	6.65						
		× 800.770	2 800.270	CN 07396	CLM 00010	CY .07680	CYN 00371			
	RUN NO.	. 670/ 0	RN/L .	£.0						
		x 900.780	2 800.270	CN 07449	CLM 00096	CY .07365	CYN 00156			
		IAI	3 SRB(SB) W	/O PLUMES SI	1A13 SRB(SB) W/O PLUPES SEPARATING FROM 09110	OF: 09110		(RT.5-10)	0) (3) JUL 75	- in
REFERENCE DATA	<b>*</b>							PARAMETRIC DATA	DATA	
2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .6:00	9677 7779 9777	1167	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH - ALPHA - OALPH" Y	4.533 .000 -10.000 400.000	PTOTAL - 110 BETA - 10 PCHER10	000.011
	RUN NO.	0 /389 .	• 1/NB	3.6						
		X 888 5.88 5.89 8.09 8.09 8.09	300.010 400.450 600.410 800.650	.0784 0786 0786 0786	### ### ### ### ### ##################	07863 .07490 .07296 .07333	.00599 .00599 .00561 .00400			
			2001	F 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	nconn.					

REFERENCE DATA

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PLUMES
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(8TJ410) (31 JUL 75 )

CATA	
PARAMETR1C	

PTOTAL -	BETA .	DBETA10.000	PCHMBR = .00()	
4.530	000.	-10.000	<b>40</b> 0 · 000	
MACH = 4.530	ALPHA .	DALPHA -	• >	
77.0000 IN. XS	YMRP0000 IN. YS	10.0000 IN. ZS		
==		₹		
• •	• •	• <u>e</u>		
×	¥	2		
SQ.FT.	INCHES		.0100	
			•	
5965	LREF	BREF	SCALE	

	ò	.08181	.07729	.07322	.07355	.07087	.07263
	รี	00856	00517	00447	00584	- 00.48	16000.
6.82	ક	07187	07758	07847	07342	07338	07793
- J/N2:	2	200.340	300.090	400.350	600.350	800.730	1000.100
RUN NO. 677/ 0	×	200.600	300.530	300.480	300.670	300.630	300.220

CYN .00895 .00802 .00748 .00473 .00294

		Ω	60	8	Ľ	6	CI.	7	•
	Շ	.0778	.0778	.0770	.0736	.0714	.073	.07057	1170.
	g	01225	01259	01215	01026	00732	00645	00557	00169
<b>8</b> .62	3	03943	06772	08849	£170	07513	0747B	07330	07528
RN/L .	2	100.080	150.250	200.230	300.310	400.330	600.480	900.780	1000.000
RUN NO. 676/ 0	×	600.430	600.470	800.680	600.690	600.650	600.630	600.840	600.370
Œ									

.01036 .01036 .01036 .01037 .00093

	CYN	69610	91610.	.01916	.01916	90610.	.01961	.01531	.00832	.00477	.00273
	ç	.08877	.06774	.06665	. 06543	.06537	. 06545	.06920	.07110	96690.	1,690.
	C.H	0124	01321	01391	01453	01480	01422	01205	00838	00588	00423
6.62	£	06318	06310	-, 06399	05493	06595	05846	07087	07333	07462	07328
RN/L -	7	000	49.830	99.90	150.040	200.070	300.240	400.880	600.550	600.630	999.930
RUN ND. 571/ 0	×	900.530	900.580	900.560	900.620	900.570	900.560	800.820	900.960	900.900	900.360

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DATE OZ AUG 75	1A13 SOURCE DATA	E DATA							ď	PAGE 477
		1413	5AB(54) H/	O PLUMES SE	IAIS BABIBBI H/O PLUMES SEPARATING FROM	OH '9710		(AT&11)	11 (31 JAL 75	الا د
REFERENCE DATA	ATA							PARAMETRIC DATA	: DATA	
2690.0000 SO.FT. 1290.3000 INCHES 1290.3000 INCHES	XX489 • ZMS9 •	0.004	1187.4000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH ALPHA - DALPHA -	4.530 .000 -10.000 200.000	PTOTAL - BE1 A - DBETA - PCHPBR -	000.011 000.01-
	RUN NO. 67	0 /6/9	FBV/L .	6.63						
	×		2	ક	G.M	ţ	N.			
	•	.553	401.330	08829	01405	.06328	.01607			
	•	436	600.670	07294	00814	.07034	₩200.			
	••	.553	900.880	07465	-,0050e	.07086	.00332			
	RUN NO. 67	678/ 0	RN/L .	6.63						
	,		•	7	3	5	2			
	¥ 002	300.640	300.830	06628	01748	.0550	.02518			
	100 TWO	8	400.570	08302	01685	45550	.0200			
	300.	300.650	600.630	07173	01028	. 05898	.00867			
	300.790	96	800.910	07498	00606	.07063	.00430			
	300.230	230	999.970	07727	00110	₩1020.	96000.			
	RUN NO. 67	672/ 0	RN/L .	8.63						
	>		•	3	ī	5	N.C.			
	800.250	80	199.660	-,05276	6.010	. 0390 <b>5</b>	.01671			
	599.880	980	299.800	05254	01592	96040.	55610.			
	600.380	380	399.810	05887	01783	.05132	.02050			
	600.750	780	600.820	06887	01385	.06370	.01223			
	600.780	780	800.990	07532	₩0200-	.07004	£1600.			
	600.280	88	989.960	07411	00415	.06916	.00267			
	RUN NC. 67	673/ 0	RN/L .	6.63						
	×		7	8	ş	ដ	3			
	900.000	070	199.210	05565	00797	.03687	₩010°.			
	900,610	670	299,830	05015	-,01037	.03993	.0106			
	901.070	070	400.840	05087	01352	.04875	.01239			
	900.550	550	599.850	-,06588	01720	.06139	.01484			
	900.200	200	796.980	E47/0'-	00825	. 06739	E+800.			
	900.560	260	939.160	.07209	00390	.08856	.00401			

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DATE OF AUG 75

### PARAMETRIC DATA

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(8T-S-12)	
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PARAMETRIC DATA	# 4.530 PTOTAL = 110.000000 BETA = .00010.000 DBETA = -10.000000 PCH-BR = .000
	MACH ALPHA DALPHA T
	- 1167.0000 IN. XS 0000 IN. YS - 400.0000 IN. ZS
<b>₹</b>	XXXXX
REFERENCE DATA	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES

SREF . LREF . BRREF . SCALE .

### RN/L - 0.63 MUN NO. 861/ 0

2	97700.	.00379	<b>6</b> 1000 ·
5	.06767	₩9690.	. 06828
2	00809	00620	. 00139
8	07729	07561	08079
7	601.080	901.170	1000.0001
×	. 523	870	. 167

#### RN/L = 6.63 RUN NO. 682/ 0

CYN .00861	.00158
CY .06539	. 06869
CLN -,01516	00209
CN 07061 07368	07680
2 800.500 798.670	938.910
X 300.470 299.920	300.010

### RN/L . 6.63 RUH NO. 675/ 0

. 00694 . 01219 . 00562
.04812 .08394 .08855 .08857
CLM 00992 02058 00858 00514
CN 04520 06514 07617
2 400.270 601.500 801.140 899.930
X 600.710 800.850 607.920 600.340

### RN/L - 6.63 RUN NO. 674/ 0

×	2	8	2	Ç	C
900.280	299.830	03031	00821	.03466	.007
800.800	400.210	03976	00831	.04620	.00530
900.360	599.010	05880	01597	00000	2010
900.900	801.320	07638	01057	9+990.	71700.
900.530	999. B70	- 07s11	90849	000.00	i

		DATE OF AUT /0
	ATAC POST OF BUILD	

94.0 A.70	( MTJ413) ( 31 JUL 76 )	PARAMETRIC DATA	MACH • 4.5 PTOTAL • 110.000 ALPHA • .000 BETA • .000 DALPHA • -10.000 DBETA • -20.000 Y
IAIS SOUNCE DATA	IA13 SPB(BB) M/O PLUMES SEPARATING FROM 08710		YHRP - 1167,0000 IN, XS YHRP - 400,0000 IN, ZS
		REFERENCE DATA	2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES
DATE OF AUC 78			SAEF * BAEF * SCALE *

REFERENCE DATA	OATA							-				
2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES		XIARP YIARP	1167.00	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH • ALPHA • OALPHA •	000.01-	PTOTAL BETA BOBETA PCHEBR	000.001	
	£	PLIN NO.	689/ 3	RN/L .	8.8							
			. 708 1.197	2 801.350 801.770 999.800	CN 08811 09578 09564	0097 <b>2</b> 00227 00509	.18340 .177. 7 .15608	. 00283				
	\$	75 kg.	0 /069	RN/L .	6.62							
		m W W	X 300.430 289.720 299.550	2 599.640 799.060 998.320	CN -, 08936 -, 09025 -, 09505	CLM 01076 00331	. 16348 . 16734 . 16869	. 00973 . 00371 00295				
	\$	75 NO.	683/ 0	BN/L -	9.62							
			x 600.560 600.820 600.930	2 400.190 601.100 999.760	-, 09283	CLM 00829 01373 00954	.13813 .16642 .16688	.00192 .01037 .01057				
	\$	9	RUN NO. 584/ 0	FN/L	6.62							
		w 01 01 01	× 899.950 900.060 900.960	398.100 599.700 801.570	CN 04586 07573 08919	CLM 00539 01070 00964	.13776 .16016 .16569	. 00151 . 00693 . 00746				

Fall In

## 1413 SRB(58) W/0

1 (31 JUL 75	
(RTJ+14)	
PLUMES SEPARATING FROM 09110	

	.000 .000 -20.000																							
DATA	PTOTAL BETA BETA BETA BETA BETA BCHPTCH																							
PARAHETRIC DATA	4.530 .000 -10.000 200.000																							
	MACH ALPHA - DALPHA -		CYN	62600.	.00268		C	.01152	.00518	-,00282		CYN	. 02025	.01424	₩9900.	6,000.		CYN	.01753	.01624	.01407	.01626	.00736	.00347
			Շ	.16207	.16812		Ç	.16188	. 16748	. 17220		δ.	.13035	.15872	. 16597	.16307		ç	.07383	.09359	.12167	15478	. 16553	.18729
			5	-,00900	00434 .00420		ş	-,01298	-,00590	.0008		ğ	01956	01608	00730	00277		£	00756	01297	01325	01645	00858	-,00503
		6.63	3	08210	08831 09490	6.63	8	07690	+.0880.−	09265	6.63	3	04885	07235	08675	08831	6.63	z	04820	03584	04529	07255	08584	-, 08646
	1187.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	RN/L .	2	599.870	799.570 998.7⊁0	FRV/L -	2	600,290	801.030	1000.200	FBV/L -	7	397.820	600.230	800.920	999.840	RN/L .	2	200.520	300.030	400.230	600.010	800.750	999,810
		. 692/ 0	×	101	1487	0 /169 .	×	300.430	300.890	300.540	0 /869	×	598.860	600.680	601.000	599.380	0 /589	×	999.400	900.660	900.890	900.670	901.000	899.530
≾	XHRP YHRP ZHRP	PEN NO.				RUN NO.					SUN NO.						2							
REFERENCE DATA	SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100					œ.					•				,									

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IA13 SOURCE DATA
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DATE 02 AUG
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(RTC+15)	100000000000000000000000000000000000000
IA13 SABISB) W/O PLUMES SEPARATING FROM 09710	

DATE 02 AUG 75	5 Y	IAIS SOUNCE DAIA	•							
		141	3 578(58)	IA13 SABISB) M/O PLUMES SEPARATING FROM 09710	EPARATINO FF	30H 09710		(RTJ+15)	5) (31 JAL 75	. ጀ አ
REFERENCE DATA	¥							PARAMETRIC DATA	DATA	
•	de l	•	ž :	10.1			HACH -	4.530	PTOTAL .	000.011
LAEF = 1290.3000 INCHES BAEF = 1290.3000 INCHES SCALE = .0100			.0000 1N. YS 400.0000 1N. ZS	n 10			DALPHA •	400.000	DBETA - PCHFBR -	-20.000
	PEN NO.	894/ 0	FBV/L =	8.62						
		×	2	8	2 <b>.</b>	CA	CYN			
		86. g	600.280	07982	00783 00339	. 16346 . 16900	.00801			
		591	999.940	09417	86200.	87.T.	00672			
	₹ 8	0 /689	RN/L	6.68						
		×	2	ક	ភ្ជ	۲	CYN			
		299.860	399.850	06373	01643	. 12536	.03037			
		300.470	600.190	15770	01018	15996	57110.			
		300.890	800.700	08682	00442	.16776	.00393			
		299.420	939.900	09081	06000.	52171.	00370			
	PEN NO.	0 /189	RN/L -	6.62						
		×	2	8	2	Շ	CYN			
		600.710	200.460	08823	01521	. 11643	.03801			
		600.170	300.280	06434	016#¥	11591	.03477			
		599.970	399.550	06433	01550	. 13192	.02580			
		600.680	600.170	07312	01306	.15368	.01596			
		599.450	999.850	08673	00228	.1689	00002			
	<b>TS</b> 10.	0 /989	RN/L	9.62						
		×	2	ટ	r Z	Շ	CYN			
		899.920	199.990	07088	01266	.11182	.03305			
		900.840	300.060	06347	01636	98611.	.03122			
		901.040	400.150	06401	01653	. 13659	. 0253v			
		900.710	800.340	07338	01270	.15111	.01670			
		900.390	799.960	08415	00598	. 16422	*#900.			
		900 · 300	939.450	*0690 · -	7 700	B000 -				

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1A13 SPB(SB) N/0 PLUMES SEPARATING FROM 09710

(RTJ416) (31 JUL 75 )

PARAMETRIC DATA	4,530 PTOTAL - 110.000 000 BETA000 -10.000 DBETA20.000									(RTJ417) (31 JUL 75 )	PARAMETRIC DATA	4.530 PTOTAL = 110.000 .000 BETA = .000 -20.000 DBETA = 5.000 .000 PCM-BR = .000
	MACH ALPHA DALPHA		CYN 00996		CYN 00509		CYN 00080		CYN . 00166			MACH ALPHA - DALPHA -
			CY . 18074		CY . 17466		CY . 16933		CY . 16572	RCH 00710		
			CLM .00 <b>273</b>		CLN .00051		C. 00172		CLM 00285	IAI3 SABISBI M/O PLUNES SEPARATING FROM 08110		
	10 10 10	6.62	CN 08961	6.62	CN 08705	9.6	CN 08488	6.62	CN 08406	/O PLUMES S		
	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	FN/L .	2 79 <b>9.9</b> 40	RN/L -	Z 800.230	PN/L	2 800.260	RW/L -	2 800.230	3 SRB(SB) H		1167.0000 IN. XS .0000 IN. YS
	• • •	. 695/ 0	× -	0 /969 .	X 300.520	. 697/ 0	× 600.600	0 /869 .	X 900.780	IVI		
DATA	X 1489	PEN NO.		PEN NO.		RUN NO.		RUN NO.			4	456.X
	SO.FT. INCHES INCHES										CHEE DATA	IO.FT. NOES NOES
REFERENCE	2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES										PEFENDACE	2000.0000 50.FT 1290.3000 INCHE 1290.3000 INCHE
	 w											
	SPEF LREF BRAEF SCALL											SCALE SECT

PN/L

0 /669

PLN NO.

re

DATE 02 AUG 75	AUG 75	1413	IAI3 SOURCE DATA	<						à.	PA0E 483
			IAI	3 588(58)	1813 SABISB) W/O PLUMES SEPARATING FROM 09710	EPARATING F	ROM 09110		(RTJ+18)	18	J. 25 J.
	REFERENCE DATA	17A							PARAMETRIC DATA	C DATA	
SPEF LREF BPEF SCALE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	684.7 7.450 7.450	•••	167.000C IN. XS .0000 IN. YS 400.0000 IN. ZS	<b>ហ</b> ហ			MACH ALPHA • DALPHA •	4.530 .000 -20.000	BETA - DBETA - PCHMBP -	00). 000. 000. 000.
		35 86	0 ,007 0	RN/L	6.63						
			x 282 079 067	2 598.770 799.350 999.190	CN 17496 17646 17868	CLM 00271 .00200	CY 03361 03781 03868	CYN . 00093 . 00043			
		PEN NO.	0 703/ 0	RN/L .	6.83						
			X 901.280 900.530 900.240	2 602.910 800.360 999.050	CN 18211 17647 16889	CLM 01122 00500 00449	CY 03322 03738	CYN . 00414 . 00162			
			141	1 (85) 625 1	IAI3 SABISBI WO PLUNES SEPANATING FROM 09710	EPACATING F	01780 HOF		(RT.419)	19) 31 JK	ж ж
	REFERENCE DATA	T.							PARAMETRIC DATA	. DATA	
SAEF LREF BREF SCALE	2893.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	BEHAZ BEHAX	1167	.0000 IN. XS	un un en			MACH ALPHA B	000.00	PTOTA:	000.000
	•	RUN NO.	0 /104 .	RN/L .	6.63						
			x 5.55 0.10	2 600,380 800.340 999.600	CN 15873 15979 15875	CLM .00344 .00398 00123	CY 03297 03845	CYN 00277 00316			
	•	PEN NO.	0 /504 .	PN/L •	6.63						
			× 900.800 901.0≥0	2 501.300 801.350	17968 17415 17530	00303 00157 .00358	CY 03123 03799 03977	CYN .00024 .00138			

(RTJ420) (31 JUL 75 )

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PARAMETRIC DATA	MACH = 4.530 PT01AL • 110.000 ALPHA = .000 BETA = .000 DALPHA = -≥0.000 DBETA = -5.000 Y • .000 PCHP™ = .000		CYN .00585 .00239		CYN .0075 <b>6</b> .00278		. 01361 . 00747 . 00367		CYM . 00978 . 00751 . 00472	(RTJ421) (31 JUL 75 )	PARAHETRIC DATA	ALPHA - 4.530 PTOTAL - 110.000 ALPHA - 000 BETA003 OALPHA20.000 DBETA5.003 Y - 200.000 PCHTER003
			CY 39 .03634 30 .03895		CY .03300 17 .03833		CY .02084 .03285 .03734		CY 38 , 02086 37 , 03311	10 FROM 09T10		
		6.63	CN CLM 1569001399 1648000560	6.63	CN CLM -,14485 -,02117 -,16386 -,00737	33	CN CLM 1237303136 1399102419 1816000954	6.63	CN CLM 1187802438 1449502187 1564701328	1413 SPB(58) W/O PLUMES SEPARATING FROM 09710		
	27 .0000 1W. YS 2000 1W. YS 400.0000 1W. ZS	PRVL • 6.	. 070.370 - 079.670	RN/L - 6.	2 801,110 809,800	RN/L - 6.33	599,870 - 601,040 - 899,690 -	PBVL = 6.(	803.000 803.000 - 893.640	3 SPB(SB) M/O F		1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS
NCE DATA	T. XHRP = 1167 ES YHRP = 400	RUN NO. 714/ 0	X .590	RUN ND. 713/ 0	X 300.870 299.880	RUN NO. 705/ 0	x 600.220 600.820 600.070	RUN ND. 706/ 0	800.630 801.730 901.730	Ā	NCE DATA	X1489
REFERENCE	SAEF = 2690.0000 SQ.FT. LAEF = 1290.3000 INCHES BAEF = 1290.3000 INCHES SCALE = .0100										REFERENCE	SAEF - 2000.0000 SG.FT. LREF - 1290.3000 INCHES BREF - 1290.3000 INCHES SCALE

CYN . 00366 . 00170

CY .04086 .04032

CLH -.00746 -.00374

CN -.16403 -.16526

2 799.540 999.246

x .051 -.207

6.63

RN/L

RUN NO. 715/ 0

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	_	
•	4	

DATE OF AUG 78	IAIS B	IAIS SOURCE DATA							ì	PAOK 496
		1413	SPB(SB) W	10 PLUMES S	IAI3 SABISB) W/O PLUMES SEPARATING FROM OBTIO	OH 08110		(AT JA 21)	1) (31 JA	JE 78 .
REFERENCE DA	DATA							PARAMETRIC DATA	DATA	
SAEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	X1580 X1580	.0.00	1167.0000 IN. XS .0000 IN. YS 400.0000 IN ZS				MACH ALPHA OALPHA Y	4.530 .000 -20.000	PTOTAL BETA OPETA POHMES	000 - 011 0000 - 0000 0000 - 0000
	PUN NO.	711/ 0	RN/L	6.63						
		×	2	ક	G.	5	<b>E</b>			
		300.670	600.920	16707	01020	.03578	77600.			
		300.950 300.380	901.020 939.640	- 16469	00883	.04023	04.200.			
	PUN NO.	0 /802	RN/L .	6.63						
		>	•	3		ò	N.			
		600.290	599.720	15921	01626	.03108	.012V5			
		600.120	999, 293	. 161.25 15.25	011 <b>5</b> 1 00629	.03618	69900.			
	RUN NO.	707/ 0	RN/L	6.63						
		×	7	3	GL#	۲	CYN			
		900.950	601.300	- 14928	- 02383	03318	00800			
		900.908	0.8.658	18426	00768	.03932	.00372			
		[14]	H (85)855	VO PLUMES S	IAI3 SRBISB) W/O PLUMES SEPARATING FFOM 09710	OH 09110		(RTJ422)	(S) (31.44.	보 전
PEFERENCE DA	DATA							PARAMETRIC	: DATA	
##EF = 2690,0000 \$0.FT. LREF = 1290,3000 INCHES	X Y	1.67.0	1167.0000 IN. X8 .0000 IN. YS				MACH ALPHA .	000.05-	PTOTAL - BETA - DBETA -	.000
• •	1						>	400.000	• одажное	.000
	PEN NO.	718/ 0	BN/L .	8.						
		×	7	3	5	Շ	<b>E</b>			
		. <del>2</del> 39	609.590 800.990	16745	00360	.04368 .04368	.000 <b>01</b>			
			999.760	-,17832	64200.	.04458	00148			
	AN NO.	712/ 0	RN/L .	<b>6</b> .62						
		×	7	z	ş	5	CYN			
		300.020	399.130	1.1781	00097	.05037	0,000.			
		300.120	999.460	16765	1,000 -	B05+0.	00000			

DATE OF AUG 75

(RTJW22) (31 JJL 75 )

	.000										ار 18		000. 000. 000. 000.								
DATA	PTOTAL BETA BETA BETA BETA BETA BETA BETA BETA										3) (3) JAL 75	DATA	PTOTAL BETA COBETA PCHEBR CORE								
PARAMETRIC DATA	4.530 .000 -20.000 400.000										(RTJ423)	PARAMETRIC DATA	4.530 .000 -20.000 800.000								
	MACH - ALPHA - DALPHA - Y		CYN	.00395 74500	.00209		CYN	.00624	.00283	. 00255			MACH ALPHA DALPHA		CYN . 00216		CYN 00326		CYN 00417		CYN 00249
			ζ	.04719	. 04026		ర	.04496	. 04361	+50+0·	10H 09710				CY .0336-7		CY .0%3253		CY .04661		CY . 04514
			g	00377	00371		5	0100-	00370	00529	IAI3 SABISB) WO PLUNES SEPARATING FROM 09110				CLM 00485		CLM 00099		CLM .00218		CLM . 00178
		9.62	ઢ	17619	16430	6.62	3	16941	17216	16441	O PLUMES SE			6.62	CN 15206	0.0	CN 15822	6.61	CN 16583	6.62	CN 16623
	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	RN/L -	2	600.960	999.500	RN/L	2	600.850	799.150	939.450	/H (85)845		1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	FBV/L .	2 799.880	RN/L -	2 800.240	RN/L -	2 800.500	FN/L .	2 800.700
	• • •	0 /804 .	×	600.770	600.370	. 710/ 0	×	900.750	900.030	900.320	E I Y I		1167	0 1/11 .	x 011	ŭ /817 .	300.440	. 719/ 0	K 600.630	. 720/ 0	× 900.7*0
_ ₹	27472 27472	PUR NO.				₹.						≤	4480 4480 7480	PC NO.		F 160		RUN NO.		2 8	
REFERENCE DATA	2690.3000 SU.FT. 1290.3000 INCHES 1290.3000 INCHES	•				•						REFERENCE DATA	2890.0900 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100	Œ		<b>C</b>		•		u.	
	SAEF - LREF - BAEF - SCALE -												SREF . LREF . BREF .								

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DATE OZ AUG 75	1413	IAI3 SOURCE DATA	<b>₹</b>						<b>a</b> .	PAGE 467
		<u> </u>	IAI3 SABISB) W/O PLIPES SEPARATING FROM OGTIO	10 PLINES (	BEPARATING F	ROM 09710		(AT See)	3 TE - (%)	JE 73 )
REFERENCE DATA	ATA							PARAMETRIC DATA	COATA	
SPEF * 2690.0000 SQ.FT. LPEF * 1290.3000 INCHES GPEF * 1290.3000 INCHES SCALE * ,0100	20469 71469 27489		1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH ALPHA DALPHA Y	4.530 .000 -20.000 800.000	PTOTAL BETA DEETA PCHEBR B	. 000 . 000 . 10. 000 . 000
	₽ ₽	). 721/ 0	FN/L .	6.63						
		x 329	Z 799.910	CN 16525	CLM .00111	CY .09403	CYN 00722			
	PUN NO.	. 722/ 0	Payl .	6.63						
		X 300.580	2 800.510	CN 1.1709%	CLM .00298	CY .09477	CYN 00811			
	PER NO.	. 723/ 0	PAYL .	6.63						
		× 600.600	z 860.630	CN 17117	CLM . 00145	CY .09119	CYN . 00299			
	PER NO.	. 724/ 0	RBV/L .	6.63						
		× 900.920	2 800.780	د. 1.17010	C.M 00138	CY 87480.	CYN 00001			
			IAI3 SABISBI MIO PLUMES SEPARATING FROM 09110	o PLUMES SA	EPARATING FF	OH 09710		(RT-5-25)	5) (3) JAL	٦ اد -
REFERENCE DATA	1						•	PARAMETRIC	DATA	
SPEF * 2590.0000 SQ.FT LREF * 1290.3000 INCHES BPREF * 1290.3000 INCHES SCALE * .0100	ZYRPO ZYRPO	• • •	1167.0000 IN. XS. 0000 IN. XS. 400.0000 IN. ZS				MACH ALPHA DALPHA	. 530 . 000 . 000 . 000	PTOTAL BETA BETA BOSETA BOHESBR	000.01-
•	RUN NO.	0 /ML	- 1/NB	6.56						
		# 00 # 1 X I	2 801.480 999.520	2.15040 1.15731	01638 00632	.08139	CYN .00763 .00314			
•	PLEN NO.	733/ 0	BBV.L •	93.9						
		x 300,660 299.570	000.108 000.710	CN 14081 16651	CLN 02502 00817	CY .07608 .08072	CYN .00963 .00373			

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# IAIS SPBISB) W/O PLUNES SEPARATING FROM 09110

(RTJ426) (31 JUL 75 )

	000. 000. -10.000.						
DATA	PTOTAL = BETA = DBETA = PCHEBR =						
PARAMETRIC DATA	4.530 .000 -20.000 200.000						
	MACH A BOALPHA -		CYN .00723 .00258		.01902 .00967		CYN .01381 .01207
			CY .07950 .08289		CY .06099 .07621		CY .05860 .07098 .08145
			CLM 01168 00497		CLM 02082 91508 00677		CLM 02278 01998 00800
		£.	16039 16696	£.	CN 14885 15523 16643	<b>5</b> .	CN - 14489 - 14834 - 16503
	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	FBV/L =	Z 799.630 999.280	FBV/L .	2 601.950 801.010 999.600	RN/L .	500.240 800.060 999.400
		735/ 0	x 131	721/ 0	X 300.460 300.640 899.790	RUN NO. 728/ 0	X 600.430 600.400 600.250
¥	95 P. V.	REN NO.		<b>3</b> 6		PUN NO.	
MEFEMENCE DATA	• 2890.0000 \$0.FT. • 1290.3000 INCHES • 1290.3000 INCHES • 100.3000 INCHES	•		•		•	
	9705 97.8 97.8 97.8						

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Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  RAN NO. 777 0 RN.L 6.04  Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  RAN NO. 777 0 RN.L 6.04  Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  RAN NO. 777 0 RN.L 6.04  Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  RAN NO. 777 0 RN.L 6.04  Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PLUCES SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PRUCE SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PRUCE SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PRUCE SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PRUCE SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PRUCE SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PRUCE SCPAMING FROM ONTION  Sect 2890 0000 50,FT. Sept. 50 M.O. PRUCE SCPAMING FROM ONTION  Sect 2890 0000 50 M.O. PRUCE SCPAMING FROM ONTION  Sect 2890 0000 50 M.O. PRUCE SCPAMING FROM ONTION  Sect 2890 0000 50 M.O. PRUCE SCPAMING FROM ONTION  Sect 2890 0000 50 M.O. PRUCE SCPAMING FROM ONTION  Sect 2890 0000 50 M.O.	DATE 02	DATE 02 AUG 75	1413	IAI3 SOURCE DATA	< <						à	PAGE 489
FERENCE DATA  - 2890 1000 50,FT.				IAI	3 SAB (\$8)	H/O PLUKES 1	KPARATING F	904 09T10		₽,TR)		₹ 3
Fig. 2000 100455   YMPP   Fig. 2000 114.75   YMPP   Fig. 2000 100455		HEFERENCE DA	ATA							PARAMETRI	C DATA	
NAM NO. 77 7 0   RN/L = 6.94   CT   CT	SCALE .			• • •		w w w				4.530 .000 -20.000 200.000	ع <u>.</u> و	.000 .000 -10.000
## FEFFENCE DATA  ## FEFFENCE			RUR NO	11.11		6.64						
96.0.500 600.7301817201122 .07231 .01789 96.0.500 993.6vg1817201122 .07231 .01128 96.0.500 993.6vg1817201122 .07951 .00512  ***EFFPICE DATA**  ***E880.0000 SO, FT . 2099 *** 1167.0000 IN . XS *** 10000 IN . YS *** 100000   IN . YS *** 10000000 IN . YS *** 1000000 IN . YS *** 10000000 IN . YS *** 1000000000000000000000000000000000				×	~	3	2	Շ	35			
90.1820 800.1901504701937 .07231 .011c8  90.1820 800.1901504701937 .07231 .011c8  1A13 SAB(SB) W/O PLUKES SCPARATINO FROM OSTIO (RT.A.27) ( 31 JAL. 7				9 10.520	600.370	14316	02376	.06253	.01788			
FREFERENCE DATA				903.820 500.580	800.790 939.840	15047	01937	.07951	.00612			
FEFFENCE DATA  - 2690 0000 SG, FT . 999 = 1167.0000 IN . X5  - 1290.3000 INC-65				IAI	3 SPB(SB) +	4/0 PLUMES S	EPARATING F	ROM 09710		(A)		٦ الا
E 2690.0000 SC.FT. XPFP = 1167.0000 IN. XS		REFERENCE DA	ITA							PARAMETRI	DATA	
X	SPEF LREF BREF SCALE		XOFFP YYERP ZYSP			<b>(0.10.10</b>						000. 000. 000. 000.
X 2 CN CLM CV -232 800.9901677200540 .08568 232 899.6301705200104 .08593 732/ 0 RN/L = 6.64 X 2 CN CLM CV 300.640 601.0101552301608 .07621 72. 0 RN/L = 6.64 X 2 CN CLM CV 400.750 600.9801708600800 .08339 600.820 800.9801664600531 .08346 730/ 0 RN/L = 6.64 X 2 CN CLM CV 500.720 600.9801664600531 .08346 730/ 0 RN/L = 6.64 X 2 CN CLM CV 600.3301664600531 .08356 730/ 0 RN/L = 6.64 1664600531 .08359 600.350 999.8101683300791 .08354			9 8		PBV/L .	ă,						
X				x .595 232	2 800.990 999.630	-, 16778 -, 17052	C. N. O. O. C	CY . 08568 . 08593	CYN . 00905 . 00935			
X Z CM CLM CY 300.640 601.0101552301606 .07621  72'. 0 RN/L = 6.64  X Z CM CLM CY 400.750 600.9801709600980 .08359 600.820 800.9801664600715 .08311  500.340 999.6201664600531 .08359  X Z CM CLM CY 900.750 000.7801664600531 .08359  800.320 999.8101618101565 000.030 799.3101633300791 .08334			₹ ¥2		BA/L .	6.						
X Z CN CLN CY 400.750 600.9901709600890 .08359 500.820 800.9801564600531 .08358 500.820 999.5201564600531 .08358 7307 0 RN/L = 6.64 X Z CN CLN CY 900.720 300.7801618101565 .07644 900.030 799.3101683300791 .68059 900.350 999.8101670800635 .08334				X 300.640	2 601.010	CN 19523	CLM 01808	CY .07821	CYN . 00967			
X Z CN CLN CY 400.750 600.9901709600840 .08359 600.8201664600715 .0831 .08359 7307 0 RN/L * 6.6400531 .08359 7307 0 RN/L * 6.6400531 .08359 800.720 300.7801664600531 .08359 800.720 300.7801661600531 .08359 800.350 899.8101670800635 .08334		-	25 NO	72,	PN/L	<b>5</b> .						
600.820 800.9801666800531 .08346 600.340 999.6201664600531 .08346 7307 0 RW/L • 6.84 X Z CN CLM CY 900.720 300.7801618101565 .07644 900.030 799.3101693300791 .68099 900.350 999.8101670800635 .08334				x 600.750	2 600.890	₹ 170 <b>86</b>	CLN 00880	CY . 08359	CYN .			
730/ 0 RW/L = 6.64  X Z CN CLM CY 900.720 300.7801618101565 .07644 900.030 799.3101693500791 .68009 900.350 999.8101670800635 .08334				600.820 600.340	800.980 999.620	16868 16648	00715	.08311	.00511			
2 CN CLM CY 300,7801818101585 .07544 799.3101833500791 .08009 999.8101870800835 .08334		-	9. 3			£.						
000.7801818101985 .07644 799.3101663500791 .08009 999.8101670800835 .08334				×	2	ક	ş	Շ	Š			
799.510 - 16833 - 00791 . 08009 699.610 - 16708 - 00635 . 0834				900.720	300.780	16181	01385	.07844	.01332			
				900.050 900.350	799.310	16935	00535	.08334 .08334	.00761			

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(31.30.75.)
(RTJ428)
18(58) M/O PLUMES SEPARATING FROM 09710
8) H/O PLU
S) (B)

	0000								
	.000 .000 -20.000								
DATA	PTOTAL • BETA • DBETA • PCHIBR •								
PARAMETRIC DATA	4,530 ,000 -20,000								
	HACH ALPHA - DALPHA -		CYN .00790		CYN . 00767 . 00381		CYN .00738		CYN . 00745
			CY .17977 .18 <sup>45</sup> 4		.1802 <b>6</b> .18157		. 18218		CY . 18273 . 18163
			CLM 01107 00560		CLM 01375 00791		CLM 01688 00888		CLM 01946 00977
		6.60	CN 17860 18162	6.60	CN 17425 17941	6.60	CN -,16927 -,17915	9.80	CN 16423 17844
	1187.0000 IN. XS .0000 IN. YS 40f 'NI OCL' 104	FRV/L	2 801.400 899.410	RN/L	2 799.900 999.290	RN/L -	2 800.820 898.410	RN/L -	2 800.160 999.620
		. 737/ 0	x 	RUN NO. 738/ 0	X 300.300 299.780	RUN NO. 743/ 0	x 600.930 598.610	0 /1	X 900.570 900 - 10
≰	XHRP YHRP ZHRP	RCN NO.		SK NS		2		RUN NO.	
REFERENCE DATA	2690.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES	_		-		•		•	
EFERE	.0000 .3000 1.000 1.000 1.000								
•	2690.0 1290.3 1290.3								
	G 8 8								
	SPEF LREF BREF SCALE								

# 1A13 SRB(SB) H/O PLUMES SEPARATING FROM 09T10

REFERENCE DATA

(RTJ429) (31 JUL 75 )

PARAMETRIC DATA

PT0TAL = 110.000 BETA = .000 08ETA20.000 PCHFBR = .000		
4.530 .000 -20.000 200.000		
MACH ALPHA DALPHA Y		CYN .01248 .00406
		. 17151
		CLM 01411 00692
<b>m</b> 10 10	6.50	CN 18946 17732
1167.0000 IN. X8 .0000 IN. YS 400.0000 IN. ZS	7407 0 RN/L =	2 800.440 999.240
• • •		× .291 279
X 1489	PEN NO.	
■ 2500.000 50.FT. ■ 1290.3000 INCHES ■ 1290.3000 INCHES		
BMEF - LREF - SMEF - SCALE -		

PAGE 491	(RTJ429) (31 JJ 75 )	PARAMETRIC DATA	ALPHA - 4.530 PT0TAL - 110.000 ALPHA000 BETA000 DALPHA20.000 DBETA20.000 Y000		.01298 .00500		CYN ,01540 .00554		CYN .01543 .00696	(RTJM30) ( 31 JUL 75 )
	1A13 SABISE: W/O PLUMES SEPARATING FROM 09710				CLM CY 02348 .17173 00916 .18083		CLM CY -,02408 ,16628 -,00949 ,18018		CLM CY 02296 .16562 01310 .18028	IAI3 SKB(SB) H/O PLUMES SEP/JATING FROM 03T10
	N/O PLUMES SEF		XS 75 25	6.80	CN 015129 017640	■ 6.60	CN 014882 0 .17441	<b>8</b> .60	CN 0 15079 0 16991	H/O PLUKES SEP
IAI3 SOUPCE DATA	1A13 5AB1SE		. 1167.0000 IN. XS .0000 IN. YS .400.0030 IN. ZS	739/ 0 RN/L =	X 300.660 800.670 300.250 999.740	746/ 0 RN/L =	X Z 600.330 800.200	- 7/NG 0 /5hL	X Z X 900.130 900.130	IAI3 SABISB
		REFERENCE DATA	2690.0000 SQ.FT. XHBP 1290.3000 INCHES YHBP 1290.3000 INCHES ZHRP .0100	RUN NO.	mm	RUN NO.	₩ €	RUN NO.	эл cn	
DATE OF AUG 75			SREF - LREF - BRREF - SCALE -							

110.000	000.	-20.000	.000								
PTOTAL	BETA.	DBETA	PCHIBR								
4.530	000.	-20.000	400 000								
HACH	ALPHA .	DALPHA -	• >-		CYN	.01108	.00327		CYN	.01556	00100
					5	. 17482	.18183		Ç	. 18662	ימינים
					5	01259	00558		Ş	01824	- 00590
				9.60	3	18708	17589	9.66	8	15817	- 17482
0000 IN. XS	0000 IN. YS	0000 IN. ZS		RN/L -	2	900.800	989.560	FN/L	7	800.380	059 666
. 1167.		- 400		2 .	×	.586	058	7421 0	×	00.250	99.870
XMZ	- A	00 20 27		SN NO.				2 3		m	ሊ
50.57.	INC)-ES	INCHES		Œ				E.			
2690.000	1290.3000	1290.3000	.0100								
		,									
	XH70 - 1167, 0000 IN, XS PTOTAL - 4,530 PTOTAL -	XHRP = 1167.0000 IN. XS HACH = 4.530 PTOTAL = YHRP = .0000 IN. YS ALPHA = .000 BETA =	XJTSP = 1167.0000 IN. XS	- 1167.0000 IN. XS ALPHA - 4.530 PTOTAL - 4.0000 IN. YS ALPHA - 20.000 OBETA - 4.00.0000 IN. ZS Y + 400.000 PCH4BR - YOU.	XJTRP = 1167.0000 IN. XS	XHBP = 1167.0000 IN. XS	XHRP = 1167.0000 IN. XS	X-TOP = 1167.0000 IN. X5  YHRP =	XJTP = 1167.0000 IN. XS YHRP =0000 IN. YS ZHPP =0000 IN. YS ZHPP =0000 IN. ZS  XLPHA =000 BETA =  DALPHA =	X-TGP = 1167.0000 IN. X5  YHRP =0000 IN. Y5  ZHRP =0000 IN. Y5  ZHRP =0000 IN. Y5  ZHRP =0000 IN. Y5  ZHRP =0000 IN. Y5  ZHRP =0000 IN. Y5  Y =000 08ETA =  Y =00.000 OBETA =  X	X-TGP = 1167.0000 IN. X5  YHRP = 00000 IN. X5  ZHRP = 00000 IN. X5  ZHRP = 00000 IN. Z5  ZHRP = 00000 IN. Z5  THE 0000 IN. Z5  THE 00000  IN. Z5  THE 00000  THE 00000 IN. Z5  THE 00000 IN. Z5  THE 00000 IN. Z5  THE 00000 IN. Z5  THE 00000 IN. Z5  THE 00000 IN. Z5  THE 00000 IN. Z5  THE 00000 IN. Z5  THE 00000 IN. Z5  THE 000000 IN. Z5  THE 00000 IN. Z5  THE 0000

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DATE 02

PA0E 491

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(RTJ430) (31 JUL 75 )

# IA13 SRB(SB) M/O PLUYES SEPARATING FROM 08T10

	110,000 ,000 -20,000					(31 JAL 75 )		.000 .000 -20.000							
	• • • •					٦ ا									
C DATA	PTOTAL BETA OBETA PCHER						DATA	PTOTAL BETA DBETA PCHMBR							
PARAMETRIC DATA	4.530 .000 -20.000 400.000					(RTJ431)	PARAMETRIC DATA	4.530 .000 -20.000							
	MACH ALPHA OALPHA Y		.01785 .00538		.01608 .00761			MACH ALPHA - DALPHA - Y		CYN 00174		CYN . 00099		CYN .00109	•
			CY . 16268 . 19091		CY . 16486 .17789	ROM 09710				. 1 <b>98</b> 47		CY . 18719		CY . 18825	
			CLM 02009 00811		CLM 01906	IAI3 SABISB) W/O PLUMES SEPARATING FROM 09TIO				CLM 00164		CLM 00355		C.H 00352	
	m 10 10	6.60	CN 15507 17425	6.60	CN 15862 16997	VO PLUMES S			9.60	CN 17653	6.59	CN 17593	6.59	CN 17750	<b>6</b> .80
	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	BN/L -	2 800.660 999.760	RN/L	2 800.230 999.960	3 SRB(SB) h		1167.0000 IN. XS .0000 IN. YS 400.0000 IN. 2S	RV/L -	2 799.600	FBV/L -	2 800.860	FBN/L -	2 800.410	FBN/L -
	100	0 /2%	X 600.580 800.420	748/0	x 800.290 900.520	4		1167.	78	x -1.218	750/0	X 300.610	751, 0	X 600.610	752/ 0
VTA	X1489	₹ 8		PEN NO.			¥.	200 A 200 A	PLN NO.		RUN NO.		REN NO.		RUN NO.
REFERENCE DATA	I.FT. CHES CHES						REFERENCE DATA	SO.FT. INCHES INCHES							
E E	8000						ERC	S Z Z							
Æ	2680.0000 \$Q.FT. 1290.3000 INCHES 1290.3000 INCHES						BE	2890.0000 SQ.FT. 1290.3000 INCHES 1280.3000 INCHES							
	SREF LREF BREF SCALE							SREF LREF BREF SCALE							

C'N . 00074

CY . 1**9**025

CLM -.00207

X Z CN 900.563 800.510 -.18178

DATE 02 AUG 75	2 00 V	がつて	TAIL DATE OF THE									
			1413	1,588(S8)WI	IAI3,SPB(SB)HITH PLUMES SEPARATING FROM OBTIO	EPARATING FI	ROM OBTIO		(RTJ+32)		( 3) JE	ŧ.
	REFERENCE DATA	ATA							PARAMETRIC DATA	C DATA		
SPEF - LREF - BPREF - SCALE -	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100	XX XX XX XX XX XX XX XX XX XX XX XX XX	. 1167.0000 . 0000 . 400.0000	27.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH ALPHA DALPHA X		PTOTL BETA DBETA PCHMB		28.900 5.000 5.000 1500.000
		PCN NO.	853/ 0	RN/L -	1.73							
			>		3	ž	5	N.				
			212	050.	-,00099	00465	04563	00205				
			.003	49.980	60000.	00408	-,04286	00175				-
			103.	97.865	.00221	00262	04460	00263				
			.926	147.510	.00755	00348	0.4228	-,00339				
			.893	200.060	+C000.	00768	-,03950	-,00159				
			8	239.900	01729	02261	03233	64400				
			058	400.140	01348	-,01620	04277	£1000.				
			687	599.770	01381	00878	04063	-,00135				
		PUN NO.	0 /498	BN/L	1.73							
			>	7	3	ž	Շ	Š				
			201,850	621	.00118	00859	02440	.00576				
		-	044.106	797	00224	00932	02758	.00575				
		-	200.450	100.860	\$8000.	01101	02930	<b>₹</b> 6+00°				
		_	201.340	150.740	000010	01111	03154	\$1400°				
			200.720	200.790	00134	01106	03444	17500.				
			199.840	301.700	01065	01125	03719	.00154				
			199.300	400.480	01779	00962	03430	00133				
			200.220	599.820	00282	00373	04238	00619				
		ACK NO.	0 /\$\$8	RN/L	1.73							
			>	2	8	٦ ۲	č	Š				
			400.180	5.5.	00025	00400	04152	00638				
			399.720	₽69·6 <del>1</del>	<b>₹</b> 2100.	00475	+0440	00555				
			400.090	99.521	.00234	00483	04518	¥6400°-				
			399.790	084.641	.00270	00488	04518	00487				
			400.280	199.110	.00252	1.00484	04639	00487				
			400.610	299.000	.00219	00471	04681	00512				
			402.110	398.910	.00351	00511	04562	00526				

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PAOE	

(RTJ433) (31 JUL 75 )

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	- 28 300	5.000	000.	500.000
: DATA	FTOTL	BETA	DBETA	PCHMB
PARAMETRIC DATA	4.510	000.	5.000	000
<b>L</b> .	HACH	ALPHA -	DALPHA -	• ×
REFERENCE DATA			1240 3000 INCHES	0010.

### RUN HO. 8587 0 RN/L = 1.7%

>-	7	3	<b>5</b>	Շ	Š
2 <u>1.4.</u>	.359	01658	00890	00195	.00388
1.202	50.065	00706	00527	00896	00039
669.	19.791	-,00052	00124	01062	00304
.173	149.840	.00200	00072	01286	00296
-1.278	202.170	00000.	00359	01151	00046
.007	239.740	01189	01811	00189	.00829
.334	399.760	01157	01478	00585	.00358
.398	599.860	01469	00918	00296	.00105

### RN/L - 1.74 RUM NO. 857/ 0

CAN	.00788	.00729	.00832	.00623	.00557	.00428	.00188	00199
Շ	.01215	£1600.	.00588	.00334	.00257	60000.	.00148	00204
£	00803	-,00866	0084B	00856	-,00906	00950	01010	00615
3	00384	00387	00280	00077	00033	00643	01423	01179
2	711	49.019	99.160	149.010	198.220	298.970	400.010	601.540
>	199.680	189.500	199.450	200.040	200.430	200.960	199.630	201.480

### RN/L . 1.7 RUN NO. 856/ 0

>	N	ક	5	Շ	Ç
408.800	<b>8</b>	E4400	00475	00312	000+B
400.650	50.201	0027B	00562	00483	.00008
\$00.20g	100.420	00177	006+3	00517	.00037
400.220	150.570	002+1	-,0068	-,00686	15000.
401.100	200.430	84400·-	00881	00585	00021
399.650	301.240	00880	00488	00715	00112
399.930	400.830	00806	00468	00763	00168
400.120	599.890	00007	00801	01022	00019

IAIS BOURCE DATA

### PA0E 495

(RTJH3N) (31 JUL 75 )

# 1413, SRB (58) HITH PLUMES SEP VRATING FROM 09710

	REFERENCE DATA	Y.A						à	PARAHETRIC DATA	DATA		
BREF.	SAFF - 2690.0000 90.FT. LRF - 1290.3000 INCHES GREF - 1290.3000 INCHES GRAF - 10000 INCHES	KHRP YHRP ZHRP	• · · ·	• 1167.0000 1N. XS • .00000 1N. YS • 400.0000 1N. ZS	<u> </u>	<b>2</b> 7.5	MACH ALPHA - OALPHA - X		. 000 . 000 . 000 . 000	PTOTL BETA DBETA PCHME	• • • •	E9.900 5.000 5.000 15.000
}		RUN NO. 899/ 0 RN/L = 1.78	888		*/-	1.78						

#### CN -.00871 -.01310 1.76 2 400.210 600.150 - J.W. RUN NO. 902/ 0 ۲ .37ا. -.164

.00608

CY .02318 .02261

CLM -.01758 -.00835

>	2	3	ਤੌ	Շ	Ž
189.450	538	01104	00655	62040	.0172
199.250	49.110	00701	00670	.04093	.0143K
199.020	98.885	00679	00697	.04033	.0129
200.090	148.990	+++00	₹1600	.03653	.0.3¥
201.340	198.560	00075	00968	.03369	.0136
201.830	299,080	00004	00739	84620.	0110
200.100	399.910	01168	-, 0091 <i>P</i>	.02592	.0081
200 720	599.670	01184	00785	.02483	.0057

### RN/L = 1.76 RUN NO. 903/ 0

>	7	ક	됩	Շ	Š
398.620	-1.232	00732	00352	491E0.	.0037
401.040	50.264	00815	00355	.03048	.00436
409.750	100.320	00762	00399	67620.	.0045
400.700	150.330	00819	00473	.02813	3300.
400.670	200.530	00589	-,00550	.02701	.00430
400,830	301.290	00843	00883	. 0274k	.0032
400.650	400.850	01033	00697	.02783	.00287
400.340	599.980	00754	₹.00602	.02153	.00461

Total Control

## IA13, SRB (58) WITH PLUPES SEPARATING FROM 09110

(RTJ435) (31 JUL 75 )

5.000 - 10.000 - 1500.000

DBCTA PCHMB PTOTL BETA

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PARAMETRIC DATA	4.510	000.	4A = 5,000 DBCTA	000.
	MACH	ALPHA -	DALPH	*
	XHBP = 1167.0000 IN. XS	RP 0000 IN. YS	ZMRP - 400.0000 IN. ZS	
REFERENCE DATA	SREF = 2690.0000 SQ.FT. XM			9610.
	SREF	- Her	BACF	SCALE .

### RN/L = 1.78 RUN NO. 900/ 0

	የ 8.24 <b>6</b> 1.050	2 400.690 599.790	CN 01622 01564	02140 0970	CY .05773 .04891	. 02010 . 01385
RUN NO.	955/ 0	RN/L .	1.76			

CYN	.02485	.01871	11410	.0125¥
۲	. 06592	. 06500	.05824	64640.
C.	01226	00910	00883	-, 00959
3	01378	00486	01468	01600
7	198.450	299.500	399.840	599.720
>	201.330	202.070	200.470	201.050

### RN/L . 1.78 PUN NO. 924/ 0

CYN	07110.	.01233	.0127¥	.01338	.01279	.01085	59600	79210
Շ	.06961	.05683	. 05495	. 06235	.06144	.05988	.05879	.05103
g.	00560	00508	00485	00540	00703	00809	+0800	00695
ક	01338	01434	01392	-, 00998	00962	01150	01481	01469
14	201	49.704	99.257	149.480	198.640	298.340	399.820	599.690
<b>&gt;</b>	399.940	389.670	398.840	399.720	¥00.190	400.390	400.410	400.880

## IAI3, SPB (SB) MITH PLUNES SEPARATING FROM 09110

#### (3) JUL 75 ) (RTJ436)

PARAMETRIC DATA

PTOT	000 m / 710 000	70	200	.000 PCHMB - 1500.000
•		. :	• <b>\$</b>	•
¥CH	AHQ &		2	×
- 1167.0000 IN. XS	0000 IN. YS	26 MI DOOD DOOR 1 4		

### RN/L - 1.75 RUN NO. 901/0

SAEF = 2000.0000 50.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES BCALE = .0100

REFERENCE DATA

CYN	. 02447	.01458
č	. 13203	.11673
Ę	02238	0074₽
ž	02720	01968
7	399.930	599.830
<b>&gt;</b>	.85	¥.

PAGE 497	(RTJ435) (31 JUL 75 )	PARAMETRIC DATA	4,510 PT0TL - 28.900 .000 BETA - 5.000 5.000 D9ETA20.000 .000 PCH4G - 1500.000							(RT.M37) ( 31 JAL 75 )	PARAMETRIC DATA	4.510 PTOT. • 28.900 .000 BETA • 5.000 .000 DEETA • 5.000 .000 PCH48 • 1500.000										
	J	PARAH	MACH . 4. OALPHA . 5. X		CYN . 01688		CYN . 01338	8610.	.01150	5	PARAM	MACH		CAN	60000	26200°-	00319	00102	.00298	.00168	00382	00437
	ROM 09110				CY .13317 .12213		CY 14753	. 13255	. 12892	ROM 09710				ځ	E \$28.	03769	03473	03243	+1620	03154	03168	03340
	IA13, SPB (SB) HITH PLUPES SEPARATING FROM 09TIO				CLM 00649 00810		CLM 00407	00+36	00465 00545	IAI3,SRB(SB)HITH PLUMES SEPARATING FROM 09TIO				3	00410		00331	00835	02221	02v3Z	01264	01317
	TH PLUMES 9			£.1	CN 01880 02218	<u>.</u>	CN 01931	02069	02232	TH PLUMES S			£.	ક	03498	03071	02477	029*4	04528	05458	05417	03812
<	3,5AB(5B)HI		1167.0000 1N. X9. 00000 1N. YS. 400.0000 1N. ZS	PN/L	2 399.800 599.800	FR/L .	2 56.900	297.390	359.970 <b>599.700</b>	3,5RB(58)HI		1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	FBV/L	2	840.	50.058	150.270	200.400	299.990	400.060	599.910	799.970 999.820
IA13 SOURCE DATA	₹.		• • •	10. 942/ 0	7 200.280 201.180	10. 943/ 0	400.820	401.370	400.850 401.420	į		1167	io. 859/ 0	<b>&gt;</b>	273	680	.385	Ķ.	. 140	946	.167	. 101
₹		DATA	X XM88	AN NO.		PUN NO.					ATA	254.2 254.2	P. NO.									
AUG 75		REFERENCE DATA	2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES								REFERENCE DATA	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES										
DATE 02 AUG 75			SREF - LREF - BREF - SCALE -									SAEF LREF BREF SCALE										

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IAI3 SOURCE DATA

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PARAHETRIC DATA	+.510 PTOTL - 28.900 .000 BETA - 5.000 .000 DBETA - 5.000 .000 PCH4B - 1500.000																								
PARAP	MACH - ALPHA - DALPHA - X		CYN	.00000	.00053	96000	₹6000	₹0100	00259	00377	00658	00480	00356		Z.S	01113	01039	96600	00847	c0724	00697	00772	00637	10400	00339
			Շ	01820	02149	02200	-,02923	02937	02745	02377	02520	03206	÷,03552		Շ	01978	02121	02336	02659	02818	02800	02673	02964	03479	03702
			CLN CLN	01180	01177	01160	01257	01343	01421	01458	01379	01534	01552		5	01281	01318	01358	01416	01453	01438	01432	01508	01601	01559
		1.75	Š	03696	03649	03343	03154	03201	04037	04459	04857	04031	03837	£	ટ	04886	04871	04650	04511	04396	04540	04592	04222	03301	03832
	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	RN/L .	Z	036	50.206	100.900	150.840	200.930	302.050	400.990	599.890	799.920	999.780	- 1/A	2	. 198	49.844	99.558	149.640	198.850	299.860	399.980	600.500	801.410	939.150
₹	XMRP = 1167.	RUN NO. 860/ 0	<b>&gt;</b>	202.130	201.160	200.700	201.050	200.820	200.690	199.170	200.420	200.110	200.110	RUN NO. 861/ 0	>	399.400	399.840	399.980	399.760	400.080	400.510	400.290	402.770	402.070	400.440
REFERENCE DATA	SREF - 2690.0000 SQ.FT. LREF - 1290.3000 INCHES BREF - 1290.3000 INCHES SCALE0100	Œ												Œ											

. 51 JUL 73

(AT 243B)

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			٥	PARAMETRIC DATA	DATA:		
1167.0000 IN. XS		<b>K</b> CH		4.510 PTOT.	PTOI	٠	28.900
27 .NI 0000.				000.	<b>BETA</b>	•	5.000
400.0000 IN. 25		DALPHA		000.	7380	•	000
	*	×		000.	G∰ BC⊞	•	- 1500.000

2847 2148P

2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES

SPEF = 5 LREF = 1 BPREF = 1 SCALE =

REFERENCE DATA

RUE NO.	0 /+98	RN/L .	57.1			
	>	14	8	g	5	CYN
	318	-1.182	03225	₩600	00258	61700.
	1.612	50.180	03204	00858	00306	.00347
	153	100.120	01934	00397	00791	15000.
	674.	149.700	1.01941	0035	00852	00075
	.269	199.680	02:39	BE-00	-,00747	-,0000-
	.518	293.680	03574	01763	00120	.03574
	.108	399.570	04518	02740	00296	.00799
	.610	599.830	04375	01560	00002	.00089
	. 147	800.050	03838	01460	.00057	00013
	624	939.950	+.0322⁴	01443	00535	00058

CX	97010.	.00935	76700.	15700.	£1700.	06400.	.00311	C+000.	00255	00018
Շ	02400	98400'	17100.	44000 · -	002+5	+1100	C+200.	.00370	.00158	-,00564
r G	00959	01020	01030	010+5	01219	01415	01661	01616	01498	01492
8	104194	¥10×0°-	03654	03513	03030	03439	03757	- 03595	03597	03133
2	\$1	48.184	99.324	149.160	197.990	299.900	400.060	599.920	799.900	1000,700
<b>&gt;</b>	009.601	193.530	199.400	199.470	199.720	201.520	200.150	200.002	200.830	199,880

RN/L . 1.72

RUN NO. 863/ 0

N.	00529	M+500	- 003 <b>68</b>	00537	00468	00322	001B7	00325	00209	E+000.
Շ	\$0±10°	.01300	E:810.	77500.	.00856	.00730	£6+00°	.00308	00287	90847
ជ	01527	-,01451	-,01409	01348	01373	01516	-,01528	£6+10'+	01450	01506
દ	03455	03578	03718	03738	03850	03799	03681	03572	03369	03034
2	337	50,437	100.350	150.220	200.480	301.180	401.270	599.850	799.950	998.500
>-	402.490	401.230	400.810	400.190	401.050	400.860	399,770	400.110	400.610	397.620

RN/L = 1.72

RUN NO. 962/ 0

ORIGINAL PROPRIETA

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(813438) (31 JUL 75 )

# IA13, SRB (SB) WITH PLUNES SEPARATING FROM 09710

PARAMETRIC DATA	ALPHA - 4.510 PTOTL - 28.500 ALPHA000 BETA - 5.000 DALPHA000 OBETA000 X000 PCHMB - 1500.000		. 00001	(RTJA39) (31 JJL 75 )	PARAMETRIC DATA	ALPHA - 4.510 PTOTL - 28.500 ALPHA000 BETA - 5.000 DALPHA000 DBETA5.000 X000 PCH*B - 1500.00	
			CY 00768	30H 09T10			
			CLM 01576	PARATING FR			
		5.1	CN 03089	H PLUMES SE			<u>.</u>
	. 1187.0000 IN. XS .0000 IN. YS .400.0000 IN. ZS	983/ 0 RN/L =	7 800.280 799.770	IAI3, SRB (58) WITH PLUMES SEPARATING FROM 09710		1167.0000 IN. XS .0000 IN. YS .400.0000 IN. ZS	RN/L .
. ₹	XHRP VHRP ZHRP	PCN NO.	Œ.		₹	XHEE YHEE	RUN NO. 908/ 0
REFERENCE DATA	SAEF - 2690.0000 SQ.FT. LAEF - 1290.3000 INCHES BAEF - 1290.3000 INCHES SCALE0100	-			REFERENCE DATA	SPEF = 2690.0000 SQ.FT. LPEF = 1290.3000 INCHES BPRF = 1290.3000 INCHES SCALE = .0100	

3	18770	03253	03120	02702
7	400.140	953.870	799.920	999.730
>	999	=======================================	983.	.364

59500. 144410. 14900. 14900.

.02654 .02142 .02173

CLH -.02786 -.01768 -.01532 -.01378

	<u>.</u>	m	<b></b>	
Շ	+080·	.0329	.0330	
<b>.</b>	01148	01316	01221	
ક	03843	03800	04140	
7	- 256	49.238	98.739	
>	198.470	198,490	198.580	
		Z CN CLM 244 0.03843 0.01148	2 CN CLM 244 03843 01148 -9.299 03800 01316	Y Z CN CLM CY 198.4702440384301148 .03545 198.490 49.2980380001316 .03299 198.580 98.7390414001221 .03308

CAS	.91780	.01703	12710.	.01659	.01635	¥5210.	.00952	*1800°	¥7800.	S+100
5	.03545	.03299	.03308	.03368	.02869	.02453	.02315	.02200	.02215	.01883
<u>د</u>	01148	01316	01221	01365	01418	00110	01819	01636	01529	4.01414
8	03843	03800	04140	04147	03802	03238	03191	03400	03080	. 02657
7	350	49.298	98.739	148.810	198.520	298.620	399.840	599.020	799.790	000
>	198 470	198,490	198.580	200.340	201.070	201,410	P00,360	800.390	200.240	010

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10000	3

DATE 02 AUG 75	1413	1A13 SOURCE DATA								PA0E 501
		141	3,5RB(58)WI	TH PLUMES SI	IA13, SRB (SB) WITH PLUMES SEPARATING FROM OBTIO	OH 09110		(RTJ+39)		( 31 JA 75 )
REFEREN	REFERENCE DATA						•	PARAMETRIC DATA	DATA	
2890.0000	Ë.	•	1167.0000 IN. XS				- HACH	4.510	PTOTL	28.900
LAEF . 1290.3000 IN	CHES	•	.0000 IN. YS				ALPHA .	000	BE TA	3.000
1 290.3000 1	NCHES ZHRP	•	400.0000 IN. ZS				DALPHA .	000.	09ETA	000.6-
•							•	000.	P S	- 1500.000
	PUN NO.	0. 905/ 0	FR/L .	1.79						
		>	2	3	5	Š	CYN			
		400.250	776	02972	01'+63	18120.	07500.			
		401.240	50.344	~.03112	14410	.03283	.00330			
		400.460	100.300	03234	01384	63345	.00270			
		400.550	150.270	03337	01321	₩60£0.	.00348			
		400,870	200.310	03338	-,01298	.02759	77,000			
		400.810	301.270	03308	01510	.02496	57500.			
		399.830	401.410	-,03398	01529	. 02275	00721			
		400.100	599.980	03303	01434	. 02162	. 00656			
		400.370	799.940	0289 <b>3</b>	-,01453	5,050.	.00532			
		400.220	959.930	-,02530	-,01555	.01834	.00568			

1A13, SPB (58) WITH PLUMES SEPARATING FROM 09710

CYN.

CY .01706

CLM -.01590

CN -.02475

2 79**8**.490

7 799.800

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- J/K

REN NO.

£

(RTJA40) (31 JUL

	28 900 5.000 -10.000 1500.000					
	5 - 50					
	• • • •					
DATA	PTOTL BETA OBETA PCHMB					
PARAMETRIC DATA	000 000 000					
	MACH ALPHA DALPHA T		CYN	.01458	.01327	.01427
			CY	04553	.04378	.04218
			CLN See	0176	01483	41410
		ž	ر د د	03509	03647	03118
	- 1167.0000 IN. XS 0000 IN. YS - 400.0000 IN. ZS	- 1/88	7 200	599.940	799.790	539.830
		0 /864	<b>S</b>	2.061	1.015	1.583
. ₹	884.7 884.7 886.7	<b>3 8 9</b>				
REFERENCE DATA	SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES SCALE = .0100	•				
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(817J440) (31.7JL 75.)

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SEPARATING
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SRB(88)#11H
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REFERENCE DATA	۲.							PARAMETRIC DATA	DATA			
SAEF . 2690.0000 SQ.FT.		1187.0	1167.0000 IN. XS				MACH A	0.310	PTOTL BETA		5.000	
• •	2 2	ָרָ נ	25 Mt 0000 004				DALPHA .	000	DBETA	•	-10.000	
SCALE - 1530. JULY 1200.							• ×	000.	PCH#B		1500.000	
	₹. 80.	RUN NO. 928/ 0	BN/L .	1.78								
		>	7	8	5	ò	CYN					
	•	200.950	108,580	04439	01948	.05488	57750.					
		231.330	239.160	03694	01332	.05995	.01706					
	-	200.820	399.880	03172	01631	.05389	.01197					
	-	200.840	599.830	03598	01758	.04684	.01205					
		200.210	799.810	03522	01520	.04265	.01336					
		200.240	939.820	03025	01414	. 04253	16210.					
•	RUN NO.	0 /236	RN/L -	1.75								
		>	2	3	5	Շ	N. J					
		396.530	053	03600	01256	.05103	.01150					
		399.240	49.95B	03638	01281	54090	.01116					
		399.410	99.967	03694	01222	.05800	01240					
		399.180	149.780	03686	01221	.05797	.01163					
		399.570	198.350	03612	01209	. C5876	.01056					
	-	400.850	298.200	03412	01498	.05459	.01208					
	-	400.94B	400.010	03248	01694	.05057	£801J.					
	-	400.230	599.850	03730	01659	7175	.01065					
	_	400.710	799.940	03166	01483	. <del>9.</del> 331	.01366					
		398.830	999.950	02918	₹2±10	.04346	.01372					
•	PCN NO.	0 /168	RN/L	£.								
	·	<b>&gt;</b>	2	S	C.H	CY	CYN					
	_	802.180	000.000	UCB03	10110	A/850.	D 1510.					

### (RTJ441) (31 JUL 75 )

## 1413, SRB (58) HITH PLUMES SEPARATING FROM 09110

REFERENCE DATA	. ₹							PARAMETRIC DATA	DATA	
SPEF = 2690.0000 SQ.FT. LPEF = 1290.3000 INCHES BPREF = 1290.3300 INCHES SCALE = .0100	77 AR	0.00+	2X .NI 0000.0X .0000 IN. YS .NI 0000.00+				HACH ALPHA B	000.	PTOTL BETA DBETA PCHMB	 28.900 5.000 -20.0 <sup>0</sup> 0 1500.0
•	₹. 80.	910/ 0	- J/NG	£						
		<b>&gt;</b>	7	ક	r U	Շ	CYN			
		.907	399.800	04538	02462	11159	. 02523			
		1.050	599.840	03148	01646	. 10190	.01374			
		.750	793.780	02810	01353	. 11178	.00987			
		.108	999.850	02933	01282	.11197	<b>£</b> 110.			
-	PUN NO.	0 /13	FRV/L .	<u>.</u> .						
		<b>,</b>	7	ક	Ş	5	CYN			
	-	200.800	399.970	0.4682	01205	.11861	.01583			
	_	201.000	599.740	03338	18419	. 10665	.01517			
	-	202.250	801.070	03104	01351	.11405	. 00952			
		200.710	1000.000	02984	01251	.11337	.01073			
	₹ 80.	0 /0+6	RN/L	<del>*</del>						
		>	2	3	ş	č	C			
		401.830	298.640	03730	01208	. 12362	.01891			
		400.580	399.960	03720	01249	111791	.01631			
		400.450	F29.950	03557	~.01310	.11939	80110.			
		430.560	799.730	03320	01237	.11996	.00799			
		4-03.8+0	1000.100	03020	01299	.11436	.01058			
	PUN NO.	0 /958	RN/L	₹ <u>`</u>						
		¥ 801.920	2 798.990	CN 02948	CLP 01236	۲۲ ۱۱۰ <b>۶ وک</b>	CYN . 01003			

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(RTJ442) (31 JUL 75

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PARAMETRIC DATA	9.510 PTOTL = :8.900 .000 BETA = 5.000 -5.000 DBETA = 5.000 .000 PCH48 = 1500.000																																	
PARA	HACH - 4- ALPHA - 55. X		CAN	8+100.	60000	00073	71000.	67500	88700.	00319	00339		CYN	71200	.00050	+C0007+	-,00107	¥2100 -	00292	00461	00558	00318		Z.	01283	61110	40:10.	01148	01035	00765	007!2	00730	00452	00347
			Շ	03369	03242	03103	-,02555	02512	02922	03231	03509 03509		5	02224	-,02542	61620	02958	02673	02402	02583	0291 <b>2</b>	03510		5	91600 -	01141	01275	01395	01754	02157	02260	02646	03399	03519
			มาว	00155	00278	00460	C+900'-	72338	03051	+ 010	01414		<b>1</b>	01487	01456	01533	01656	01739	01771	01708	01791	01901		ភូ	02032	01997	01959	01915	01930	01921	01909	01861	-,01929	01937
		1.78	S	06402	05369	-, 05045	09/00	-,07359	09104 09104	08111	06970	1.76	ક	06689	05676	06315	06202	06519	06784	07533	07296	06608	1.76	8	07157	07214	07293	07428	07367	07146	07022	07270	06874	06734
	.0000 IN. YS .0000 IN. YS .000.0000 IN. ZS	· 1/4/	2	50.19 <b>3</b>	100.280	150.140	200.300	08: 03F	051.005	000.000	1000.100	RN/L	2	50.796	100.630	153.770	201.140	302.370	401.360	600.020	799,990	939.910	RN/L .	2	169	49.672	969.66	149.880	199.176	298.610	400.210	600.060	901.460	1000.100
<u> </u>	XHRP = 1167, 6000 YHRP = .0000 ZHRP = 400,0000	RUN NO. 865/ 0	>	C60'-	101	304	n c	909.		* : : : : : : : : : : : : : : : : : : :	713	RUN NO. 866/ 0	>	199.340	200.950	201.610	201.640	200.760	199.510	200.490	200.120	200.150	RUN NO. 869/ 0	>	398.700	399.440	399.570	399.940	399.850	400.350	400.020	399.550	402.510	400.210
REFERENCE DATA	S:RE	W.										€.											Œ											

DATE 02 AUG 75

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IAI3 SOURCE DATA

1A13, SRB (SB) HITH PLUMES SEPARATING FROM 09110

PAGE 505

(RTJ443) (31 JUL 75 )

PARAMETRIC DATA	4.510 PTOTL = 28.900 .000 BETA = 5.000 -5.000 OBETA = 15.00.000																																					
ď.	MACH ALPHA SALPHA X		NAC	14600.	1 4 4 00 .	.00288	.0C.754	15000.	.00737	.00360	.00308	00180		NAC	.00928	80600.	6,600.	81600	. 00522	.00471	. OC+29	8+000.	00237		CYN	00545	00350	00209	00153	00130	00007	.00013	60000.	W#100'-			CYN	00122
			۲	<b>6</b> 5000 · -	00331	00853	-,00961	00225	<b>20000</b> .	004B4	00420	00192		ç	66400.	.00955	00407	00413	00317	00147	00338	60000 -	00170		Շ	₩6050.	.01651	.01286	86600.	, 0091¢	.00200	26400.	50172	. 00468	<u>}</u>		Ç	00588
			£	00795	00477	-,00457	00545	01569	03027	01964	01591	-,01909		r,	01754	01714	01564	015e5	01668	02022	01806	02099	02023		£	02288	02221	02183	32093	02038	01583	02005	02193	02039	F 		C.A	0≥084
		1.75	ક	05679	04371	04518	04731	06914	08579	06764	07149	06158	1.75	ટ	081.37	0506£	06549	06882	-, 06459	08437	08379	- 05928	05011	1.75	ક	06130	06204	08237	08294	06378	84+00·	06352	05716	-,05963		1.73	ટ	08012
	1167.0000 IN. XS. .0000 IN. YS. 400.0000 IN. ZS.	RN/L .	2	50.165	100.150	150.100	199.870	299.780	400.080	539.890	800.000	933.050	RN/L	2	49.732	99.150	148.850	197.780	299.120	400.110	800.050	799.830	1000.100	RN/L -	7	- 883	50.354	100.330	150.267	<b>2</b> 00.380	301.050	401.650	599.940	1000.000		RN/L	2	901.480
	XHRP = 1167.	RUN NO. 868/ 0	>	1.627	036	₹69.	022	227	877.	. 39ს	.038	-1.455	RUN NO. 867/ 0	>	198.890	188.500	199.510	270.220	201.970	200.510	199.780	199.970	201.690	RUN NO. 872/ 0	>	401.150	460.390	400.030	400.370	008.00	00.870	400.410	400.000 400 480	399.980		AUN NO. 894/ 0	>	800.810
REFERENCE DATA	SPREF = 2690.0000 SQ.FT. ) LPEF = 1290.3000 INCHES SPREF = 1290.3000 INCHES SCALE = .0100	5											£											5												<b>3</b>		

ORIGINAL PAGE IS OF POOR QUALITY

DATE OF AUG 75	IA13 9	IAI3 BOURCE DATA	_							PAGE	300g
		IAI	1, SAB (SB) WI	TH PLUMES SE	IAI3,SRBISBINITH PLUNES SEPARATING FROM OBTID	30H 09110		(ATJ4)	(ATJ444) ( 31 JUL 75	31 7	L 75 )
REFERENCE DATA	¥						-	PARAMETRIC DATA	C DATA		
SREF - 2590.0000 50.FT. LREF - 1290.3000 INCHES BREF - 1290.3000 INCHES SCALE0100	XHRP YHRP ZHRP	.0000 .0000 .0000	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH ALPHA OALPHA X	000.	PTOTL BETA DBETA PCHMB		5,000 -5,000 -5,000
	PCN NO.	907/ 0	RN/L -	1.73							
		>	~	8	£	ć	CYN				
		035	400.410	C8080'-	02879	.021 <b>26</b>	50510.				
		. 559	800.000	94550	02238	.02018	12010.				
		133	010.008	05089	02091	. 02079	. 0069 <b>5</b>				
	75 76	0	RN/L .	1.73							
		>	2	3	Ę	Շ	CYN				
		200.080	50.028	05616	02073	64650.	.01735				
		198.530	99.932	0643P	02101	. 02887	.01847				
		199.530	148.870	06009	- 02283	.02734	68610.				
		200.210	198.210	05891	02261	. 02342	.01821				
		201.390	298.670	05609	02255	.02135	.01403				
		200.150	400.080	05225	02495	. 02350	12600.				
		200.500	599.990	~.05857	02268	. 32830	.00668				
		202.540	801.320	05615	02099	. 02829	.00569				
	•	200.490	1000.300	-, 05045	02160	.02165	.00598				

	r U	02232	02261	-, 02294	02268	02218	02270	02317	02103	02211	02213
1.73	ક	05292	05278	05229	05303	05389	-,05570	-,05761	06057	05285	05015
RN/L	7	.003	49.910	93.956	149.830	198.730	298.480	400.170	600.100	801.210	1000.200
0 /£16 .	>	399.430	399.790	399.690	399.240	398.650	400.370	400.650	400.280	402.370	*00.940
₹ 8											

.00304 .00514 .00530 .00539 .00738 .00558

CY .04023 .03564 .03312 .03076 .02463 .02463 .02726 .03434 .02541

CY . 02039 CL# -.02242 CN -. 04980 1.73 FRV.L **2** 799.110 RUN NO. 889/ 0 7 800.070

CYN . 00573

D . (),

JOURCE CATA
IA13 S
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CATE 02 AUG 75	IA13 S	IA13 SOURCE DATA							PAGE 507
		IAI	3,5AB(58)HI	TH PLUMES SI	1A13, SAB (SB) HITH PLUMES SEPARATING FROM OGTIO	3CH 09110		(RTUHE)	15) (31 JA 75 )
REFERENCE DATA	¥							PARAMETRIC DATA	) DATA
SAEF = 2890.0000 SQ.FT. LAEF = 1290.3000 INCHES BAEF = 1290.3000 INCHES CALE =	XHEB XHEB ZHEB	. 1167.0000 . 0000 . 400.0000	1167.0000 IN. XS .0000 IN. YS .000.0000 IN. ZS				HACH ALPHA DALFHA X	000. 000. 000. 000.	PTOTL = 28.900 BETA = 5.000 DOLTA = 10.000 PCHPHB = 1500.000
_	₹. ₹0.	0 /806	RN/L	27.1					
		>-	2	ટ	£	۲	CYN		
		386	406.090	06345	02997	¥1830.	SE610.		
		73£	599,970	05685	02282	.03649	.01675		
		109.	801.480	08103	01949	.03858	S1210.		
		1.710	1000.200	05354	02020	. 03859	61410.		
	₹ ₩	0 /626	RN/L.	1.75					
		>		3	Z.	5	C		
	-	200.830	208,480	05519	-, 02228	04315	.02055		
		200.240	407.100	-,05325	-,02390	¥0840.	76210.		
	_	200.230	600.010	06392	02181	\$6550·	.01328		
	-	201.980	601.400	C5+64	01903	多一.	7-10.		
		200.550	1000.200	05293	02109	.04019	.0,327		
-	PUN NO.	0 /826	RN/L	1.75					
		>	7	ક	r)	۵	C.		
		€00.00m	1.331	05793	01968	.05583	.01234		
		400.080	100.170	05937	01938	.05586	.01285		
		199.120	150.000	05887	6.6:0	.05298	.01337		
		398.420	198.720	05683	02076	.05024	90810.		
		399.900	298.120	05226	02368	.04505	.01204		
	-	400.150	400.200	05947	02520	. 04398	66010		
	_	400.500	600.030	02929	02219	.04656	94010.		
		400.830	799.960	05744	01598	.04309	.01164		
	_	400.660	1000.100	-,04992	02178	, 04038	.01273		
-	PUN NO.	892/ 0	RN/L .	1.75					
		<b>&gt;</b>	2	ટ	r.	Շ	Š		
		799.640	801.330	04712	02291	03838	.01299		

5	
7	
1	

(RTJ446) (31 JUL 75 )	PARAMETRIC DATA	+,510 P101. • 28.900 .000 PETA • 5.000 -5.000 D8ETA • -20.000 .000 PCH*·· • 1500.000															
	ΡA	MACH - ALPHA - DALPHA - X		CYN . 02074	,01914 ,01509	10140.		CYN	.02497	71810.	.01398		CAN	. 0 2235	¥69₁0·	01410	.01348
OH 09710				CY .09-39	.0803 <b>0</b>	.09-57		5	09262	92200.	69760.		Շ	.09612	.09727	. 09880	. 09952
IAI3,SPBISB)HITH PLUMES SEPARATING FROM OBTIO				CLM 02473	-,02364	01933		S.	02391	02086	01877		r U	01939	01770	01886	01815
TH PLUMES SE			1.78	CN 05684	1.04423	04366	1.78	₹	04470	04487	04634	1.76	8	04717	+1150	04785	04720
3,588(58)WI		1167.0000 IN. XS .??UO IN. YS 400.0000 IN. ZS	FBN/L	2 198.960	599.940	999.910	RN/L	7	400.120	799.960	1000.200	RN/L -	2	399.940	599.940	799.880	016.666
IAL	Æ	XHRP ZHRP ZHRP	HUN NO. 911/ 0	√ -1.482	1883.	550.	RUN NO. 938/ 0	>	200.660	200.040	200.410	RUN NO. 939/ 0	>	700° 200	400.430	400.280	400.870
	REFERENCE DATA	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100	<b>3</b> 7.				Œ					Œ					
I		SPEF LPEF BREF SCALE															

900.830 799.100 -.04627 -.01790 .10104 .01187

RUN ND. 697/ 0 RN/L = 1.76

jes 4

## IAI3, SPBISBINITH PLUNES SEPARATING FROM 09710

### (RTJ447) ( 31 JUL 75 )

	28.900	2 000	5.000	1500.000
	•	•	•	•
DATA	PTOTL	BETA .	09£1A	PC-HT-0
PARAMETRIC DATA	4.510	ALPHA000	-10.000	000.
	•	•	•	•
	MCH	ALPHA	DALPHA	×
	1187.0000 IN. XS	INCHES YHAP	** **00.0000 IN. ZS	
	•	•	•	
41	S A	YHRP	ZHED	
REFERENCE DATA	2690.0000 SQ.FT.	1250.3000 INCHES	1290.3000 INCHES	.0100
	•	•	•	•
	£	LREF	BPE.F	SCALE

### RUN NO. 873/ 0 RN/L . 1.75

	>-	7	3	<u>5</u>	č	Z.
	. 153	200.350	07337	00619	02756	84000
	ž.	309.200	09525	01775	02459	94100.
	₹.	400.170	12111	03240	02598	.00390
	540	600.180	11038	01753	03807	00132
	378	799.870	11280	01334	03721	00122
	<b>660</b>	1000.300	10343	01469	03902	00110
RUN NO.	874/0	RN/L .	27.1			

CYN	18100.	.00078	.00053	00288	00173	G+100
Շ	02911	02959	02999	-, 02915	03548	03889
r S	01548	01662	01570	01479	01599	01811
ક	03 <b>690</b>	09960	10270	10898	10257	0968 <b>5</b>
7	199.850	300.230	401.650	539.980	799.920	1000.0001
<b>&gt;</b>	200.300	200.490	199.410	200.140	199.800	028.820

### RLN NO. 870/ 0 RN/L - 1.75

£	00618	00622	00813	-,00639	00396	00409	00325	00334	00205	00137
Շ	01849	01848	01951	02017	02189	02634	02814	03094	03791	04023
C.	02137	02052	02042	02032	01964	01923	01954	01970	01963	01929
7.5	09225	09378	09450	09556	09762	09589	09544	09821	09572	09588
Z	980	50.671	100.450	150.290	200.360	300.990	401.580	600.070	800.080	1000.000
<b>&gt;</b>	400.510	400.430	400.490	400.930	400.930	401.180	400.250	399.970	399.950	400.120

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(RTJ448) (31 JUL 75 )

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REFERENCE DATA	4							PARAMETRIC DATA	DATA			
•	* HERP	_	1167.0000 IN. XS				HACH .	4.510		,	28.900	
LREF - 1290.3000 INCHES	AHAPPO T		27 .NI 0000.				ALPHA -	000	BETA DBFTA		5.000	
1 <b>4</b>								000.	PCH#18	7	1500.000	
•	6 79	0 /9/8	RN/L	1.75								
		<b>&gt;</b>	2	ક	<del>ي</del>	č	N.					
		.883	200.260	e, 06648	00550	. 00242	04000.					
		<u>*</u>	299.960	07938	01952	.00153	.00390					
		027	399.960	10670	03359	000 J	.00659					
		.088	599.900	08587	02306	00518	.00306					
		.311	799.960	09373	01858	00925	.00430					
		119	998.400	09297	01660	01042	.00470					
u.	RUN NO.	0 /5/8	RN/L -	1.75								
		<b>&gt;</b>	2	8	ğ	ځ	CYN					
	2	200.170	197.770	09251	~.02196	00171	.01118					
	20	200.670	299.020	09133	02088	00161	.00832					
	<b>≈</b>	202.160	399.670	08646	02196	54100	. 20520					
	61	199.850	600,180	08746	02111	00481	.00501					
	2	202.480	801.330	0922B	01720	0091B	.00462					
	20	201.180	999.910	08774	01878	00956	.00355					
u.	PEN NO.	871/0	RN/L .	£.								
		<b>&gt;</b>	Z	3	C.	Շ	2					
	39	399.740	070.	08283	02586	.01757	00304					
	Đ.	399.450	<b>₹</b> 0.188	- 39409	02552	.01597	00197					
	33	399.220	100.160	08354	02496	.01246	00091					
	Đ.	399.220	150.160	08236	02419	02600.	90000					
	Ä	309.890	189.050	08706	- , 02295	<b>,00800.</b>	.00081					
	6E	399,950	299.610	09091	02239	£6300·	00021					
	9	400.760	400.130	08932	02591	.00861	7,000.					
	33	399.520	600.009	08660	01987	00529	.00359					
	3	402.390	801.250	08203	02111	+2600.−	.00397					
	7	<b>4</b> 01.350	1000.0001	08381	02101	01183	. 00430					
•	PUN NO.	885/ 0	RN/L .	£.								
		>	₽.	2	<b>1</b>	?	ξ					
	Š			<b>100</b>	ָרָבָּי בּי	· ·	ב כ					
	5	<b>018</b> .008	245	DB386	02158	60£10°-	.00375					

DATE OF AUG 75	2	IAIN NOUNCE DATA								•	
		1413	, 978 (58) HI	TH PLUMES SE	1413, SABISBIHITH PLUMES SEPARATING FROM OSTIO	OH 09710		(カナイントの)	-	31 AL 75	
REFERENCE DATA	<b></b>							PARAMETRIC DATA	: DATA		
SAEF * 2690.0000 50.FT. LAEF * 1290.3000 INCHES BAEF * 1290.3000 INCHES SCALE * .0100	9847 7489 7489	.0.00.0	1167.0000 1N. XS .0000 1N. YS 400.0000 1N. ZS				MACH ALPHA DALPHA X	000. 000. 000. 000.	PTOTL = BETA = O9ETA = PCHMB =	58,900 5,000 -5,000 1500,000	
	PEN NO.	0 /916	FN/L	1.72							
		<b>&gt;</b>	7	ક	g H	۲	CAN				
		.342	600.030	07189	02672	.01782	.00872				
		917.	801.530	07668	02367	<b>₩1710</b> .	\$1010.				
		.009	1000.100	++640	02104	.01290	61110				
	₹ 8	0 /510	RN/L -	1.72							
		>	~	ક	r S	ò	X C				
		199.780	198.450	07648	02734	.03305	01740				
		202.050	239.370	08237	64620	. 02828	22410.				
		202.410	339.330	08056	-,02491	.01835	.01313				
		200.270	600.110	07780	02740	.03055	62900.				
		199.920	900.040	07813	02378	. 32292	. 00855				
	•	200.660	1000,100	07814	-,02162	.01510	.01018				
	영	0 /416	F#/L -	1.72							
		>	2	3	Ş	Շ	CAS				
		399.680	150.130	- 07255	02785	.02839	94400.				
		397.970	198.900	07551	025596	.02770	90400.				
		399.540	298.760	09151	02634	.03220	65+60.				
	-	402.040	328.610	-, c8395	C259-	.03810	.00278				
		333,640	500.050	-,08009	02581	.03929	.00258				
	-	401.090	799.980	07735	02317	.02370	.00703				
		400.180	1909.200	07403	-, 02329	.0:605	, oc 302				
	₩ ₩	0 /689	- J./K	1.72							
		>	2	ક	טרא	Շ	, A				
		800.940	799.850	07235	02398	71410.	00630				

(RTJ450) (31 JUL 75 )

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	HEFERENCE DA	CATA							PARAMETRIC DATA	DATA		
SPEF . BREF . SCALE .	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	XHBPP YHBPP ZHBPP	1167.0	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				HACH ALPHA DALPHA X	000.01-	PT011. BETA DBCT. PCHM:	 28.900 5.000 -10.000	
		RE NO.	917/ 0	PN/L	<u>₹</u>							
			<b>&gt;</b>	2	S.	CLN	C.Y.	CYN				
			.408 672	630.140 798.690	07034 07716	03605	10+0 10+0	00710.				
			-1.450	999,450	07445	02412	.03918	.01380				
		RUN NO.	RUN NO. 930/ 0	RN/L .	£							
			<b>&gt;</b>	7	8	5	5	CYN				
			200.700	400.200	07688	02825	806£0	.0208				
			200.500	599,960	08165	02814	.05073	56110.				
		•	200,510	799,970	08358	02413	.04882	.01108				
		-	200.930	1000.300	97470	02450	.04196	.01237				
		PEN NO.	RUN NO. 932/ 0	FW/L	<u>.</u>							
			<b>&gt;</b>	7	3	Ę.	Շ	C AN				
			203.130	010.100	13162	03238	. 05243	.01121				
		-	200.880	1000.700	12725	0≥6ҹ6	78150.	.00733				
		PEN NO.	RUN NO. 931/ 0	RAVL .	£.							
			>	7	ટ	5	Ċ	CYN				
			399.280	298.200	07702	02610	01640.	.01083				
		-	400.440	400.160	08517	02337	.05107	€6600.				
			400.440	600.020	08125	02590	7:550.	.00897				
			401.660	801.050	07950	02429	. 05201	16800.				
			401.050	1000.200	07044	02568	.04283	.01153				

DATE 02 AUG 75	1413	IAI3 SOURCE DATA	<b>«</b>							PA0E 513
		<u> </u>	IAIS, SAB (SB) WITH PLUMES SEPARATING FROM DOTIO	TH PLUMES S	EPARATING F	ROH 00110		(RTJ451)	_	31 JAL 75 )
REFERENCE	INCE DATA							PARAMETRIC DATA	C DATA	
SARF • 2690.0000 SQ.FT. LREF • 1290.3000 INCHES FARF • 1290.3000 INCHES SCALE • .0100	T. XHRP ES YHRP ES ZHRP	• • •	1167.0000 IN. XS .0000 IN. YS .000.000 IN. 25				MACH ALPHA DALPHA T	919.7 000.01- 000.000.	PTOTL BETA DGCTA PCH <del>PI</del> B	5.000 5.000 5.000 5.000
	PCN NO.	0. 918/ 0	RN/L .	51.1						
		, ¥ .632	599.900	CN 9.06879	CLM -, 03004	CY .07782	CYN .02198			
		£69°	799.980 999.880	07137	02650	0.0953	.02063			
	RCN NO.	0. 936/ 0	FN/L .	1.72						
		>	2	8	£	Ç	CYN			
		200.590	539.980	07179	02897	.08468	.02140			
		200.530 200.790	799.950	07816	02283	.08556	.01948 .01588			
	RUN NO.	0 /256 0	RN/L .	1.72						
		<b>&gt;</b>	2	8	8	ð	N.			
		400.090	600.060	07337	02362	.08938	526:0.			
		400.410	795.840	07261	02297	.08893	71910.			
		430.8 <del>9</del> 0	999.850	06532	02381	.09034	C4+10.			
	PCN NO.	0 : 58	RN/L	57.1						
		>	2	ક	g H	Շ	3			
		400.440	400.160	00517	02337	.05107	.009 <b>95</b>			
		I¥	IAI3,SRBISBIHITH PLUPES SEPAPATING FROM 09T10	H PLUMES SI	EPAPAT ING FI	ROM 09710		(RTJA52)		(31 34.75)
REFERENCE DATA	DATA							PARAMETRIC	OATA	
SPEF = 2690.0000 SQ.FT. LPEF = 1290.3000 INCHES SPEF = 129° "300 INCHES SCALE = .u100	7. XM89 SS YM89 SS ZM89	• • •	25 .NI 0000 IN. XS				MACH ALPHA BALPHA B	000.05-	PTOT. • BETA • OBETA • PCHEB •	28.900 5.000 5.000 1500.000
	RUN NO.	. 877/ 0	PBN/L •	1.73						
		₹.05% 1.055 589	2 601,140 801,370 1000,500	CN - 15843 - 18218 - 19037	CLM 03327 01807 00788	CY 04480 05716 05378	CYN . 00218 . 00282			

ATE 02	AU0 75	1413	IA13 SOURCE DATA	•							PAGE 514
			IAI	1813,SRBISBINITH PLUMES SEPARATING FROM 09110	TH PLUMES S	EPARATING F	ROM 09710		(RTJ452)	-	31 JUL 75 )
	REFERENCE DATA	MTA							PARAMETRIC DATA	C DATA	
SPEF . BREF . SCALE .	2890.0000 SQ.FT. 1290.3000 INCHES 1290.3030 INCHES	SPRY 2	•••	1187.0000 IN. XS .0000 IN. YS 400.0000 IN. ZG				MACH ALPHA DALPHA .	000.08-	PTOTL BETA OBETA PCHHB	28.900 5.000 15.000
		25 NO.	. 878/ 0	FBV/L -	1.73						
			>	2	₹	£	ć	C			
			200.440	600.330	17375	01788	E-040	.00388			
			197.170 198.280	799.710 999.500	18969 18324	00888	05892	.00557			
		S. S.	0 /6/8	RN/L .	1.73						
			} - ¢	7	8	C.H	ر در	7 C			
			400.210	200.000	1,1/35	90110	50400	7000			
			400.320	939.390	17155	01329	05902	.00525			
				OLION MODE CHAPTER CERADATIAN FORM NOTIO	0 05 M	2 041140 5	90		101		, 1
											· !
	REFERENCE DATA	ATA							PARAMETRIC	CATA	
1365	2890.0000 SQ.FT.		1167	ž				- HOA	4.510		86.900
- - - - - - - - - - - - - - - - - - -	1290.3030 INCHES			ž :					000		<b>u</b> n
SCALE	.0100	ţ	460.000	\$7 . N. 0000				* *	000.	¥ 64.	1500.000
		ALN NO.	. 882/ 0	RN/L	1.72						
			<b>&gt;</b>	7	8	ş	Շ	Š			
			. 73	801.900	14163	02700	01733	.00421			
			e V	004.0001	/BI#1	02303	01938	B0500.			
		AC NO.	0 /088 .	RN/L .	57.1						
			>	2	8	ğ	Š	2.5			
			199.830	600.290	14521	02625	00315	. 00130			
			199.690	1000.500	13787	02553	01991	.00386			
		§ 9	0 /188	RN/L .	1.72						
			۲ ووړ در ووړ	7	<u>ا</u>	CLA	ر رح	CYN			
			399.770	800.250 800.220	1319	02814	10130	1000			
			197. 750	999.730	- 13453	Uc.358	02120	65500.			
						! !	• • •	1			

In , 1

DATE 02 AUG 75	IAI3 SOURCE DATA	DATA								PAGE 515	
		IAI3,598(58)WITH PLUNES SEPARATING FROM 09110	BINITH PLU	HES SEP	ARATING FR	10H 09110		(RT.0453)		(31.34.75)	
REFERENCE DATA	4.							PARAMETRIC DATA	DATA		
SPEF - 2690.9000 SQ.FT. LPEF - 1290.3000 INCHES BPEF - 1290.3000 INCHES SCALE0100	XX489	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	. xs . 75 . 25				MACH ALPHA DALPHA X	4.510 .000 -20.000	PTOTL SETA OBETA PCHMB	5.000 5.000 1.000	
	RUN NO. 888	■ B88/ 0 RN/L ■	• 1.72								
	¥ 800.520	<b>2</b> 20 800.030	CN 30 - 06268	98	CLM 02438	CY . 09396	CYN .01203				
		IAI3, SAB (SB) HITH PLUTES SEPARATION FROM 09110	BUNITH PLO	18S SEP	ASATUM FR	OH 09110		(RTUSE)		(31 34, 75.)	
REFERENCE DATA	₹1							PARAMETRIC DATA	SATA :		
SAEF - 2690.0000 SG.FT. LAEF - 1290.3000 INCHES BAEF - 1290.3000 INCHES SCALE	2550 - 25	. 1167.0000 IN. XS .0000 IN. YS .400.0000 IN. ZS .919/ 0 RN/L =	. xs . 75 . 25 . 75				MACH ALMIA :	4.510 000 -20.000	PTCTL BETA 23 TA PCH-8	63,360 030,002 • 1500,000	

	CYN .00788 .00750		CYN	. 06727	.00718		CYN	00201	.00392	.00768		CYN . 00 <b>997</b>
	.01259		ر در	. 01857	.01071		5	96.70	61610	.00876		CY .00437
	CLN 03431 02682		CLM	02544	02652		S.	02824	02585	02815		CLM 03177
£ :-	11771 12331	£.	ક	- 13642	12239	£ :	ક	13418	12467	11508	<u> </u>	CN - 10812
RN/L =	801.380 1000.400	RN/L .	7	801.240	1000.500	RW/L .	2	598.550	800.260	999,920	FN/L -	2 799.970
918/0	7 1.745 -,005	. 922/ 0	÷ 60	203.000	200.530	923/ 0	<b>&gt;</b>	400.380	400.090	397.700	RUN NO. 887/ 0	۲ 900.410
PCN NO.		25. 30.				₹ 80.					2 K	

	£	-	IAIS SUMME UAIS	3,9RB(8 <b>6</b> )W[	TH PLUMES E	UNIA. BAIS, SRB (58) HITH PLUNES SEPARATING FROM 08710	ROM 09710		(RTJ+95)	-	¥ = 1	15 TX
	REFERENCE DATA	MTA							PARAMETRIC DATA	DATA		
SMEF SCALE SCALE	2890.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	2 1438	.0000 .0000 .0000	167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH ALPHA BOALPHA T	000 000 000 000 000 000 000 000 000 00	PTOTL BETA DBETA PCHMB		28.900 5.000 -10.000
		<b>3</b>	g /0 <b>36</b>	PR/L	£							
			¥ . 448	2 800.240 899.060	CN 11526 12934	CLM 03851 02590	CY . 04470 . 04570	.01100 .00959				
		\$	938/ 0	- 1/NE	ŗ.							
			7 203.130 200.860	801.010 1000.700	. 13162 - 13162 - 12725	CLM 03236 02646	CY .05243 .05167	CYN .01121 .00755				
		30. NO.	833/ 0	FBW/L .	£.							
			7 401.510 397.240	798.116 999.620	CN 14363 11624	CLM 02891 02867	CY . 06728 . 05288	.00514				
		Š	0 /488	RN/L	<u>.</u>							
			Y B00.120	2 800.000	CN 10336	C.H J#28	CY . 04408	CYN .00838			•	
			EIVI	1,588(59)411	'N PLUMES S	IAI3,SRB(S9)HITH PLUMES SEPARATING FROM 09710	ROM 09710		(RTJ#56)		₹ ₩	31 44 75
	REFERENCE DA	DATA							PARAMETRIC DATA	DATA		
BREF .	E990,0000 90.FT. 1290,3000 INCHES 1290,3000 INCHES		1167.0	1167.0000 IN. X9 .0000 IN. YS 400.0000 IN. ZS				MACH ALPHA -	000.05-	PT0TL BETA DBETA PCHR?	• • • •	5.000 -20.000 -50.000
		<b>3</b>	961/0	BW/L =	1.76							
			¥.1 1.98 1.98	2 802.310 999.080	CN 12375 12929	CLM 03008 01937	.08128 .08004	CYN .01702 .01562				
		<b>3</b>	835/ 0	BN/L .	1.78							
			> 00 m 00 m 00 m 00 m	2 800.240	20 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	03175	CY .08643	CYN. .01807				
			) ) )	) b d		1,01000	44.75	B0010.				

h, j.j.

DATE OF AUG 75	14:3 %	IAI3 SOURCE DATA	_							510
		IVI	, SP8 (S8) HIT	TH PLUMES S	IAI3,SABISBIHITH PLUMES SEPARATING FROM 09710	ROM 09710		(RTJ+56)	2	31 JAL 75 )
MEFEMENCE DATA	<b>.</b>							PARKE TRIC	C DATA	
SHEF = 2690,0000 SQ.FT. LREF = 1290,3000 INCHES BREF = 1290,3000 INCHES SCALE = .0100	XHRP YHERP ZHRP	. 1:67.3000 . 0000 . +00.0030	167,3000 IN, X3 0000 IN, Y5 400,0000 IN, X5				MACH ALPHA -	.510 .000 -20.000	PTOTL BETA COSETA PCHYB	28.900 5.000 -20.000 1503.000
œ	PLIN NO.	934/ 0	RN/L .	1.78						
	•	۲ 403.800 398.170	802.440 1000.700	CN 12992 14026	CLN -,02563 -,01298	. 09711 . 0960	CYN .01752 .01026			
•	₹ 8	895/ 0	- 7/WK	1.70						
	•	۲ 963 م20	2 800.000	CN 11964	CLH 01927	CY . 10292	CYN .00462			
		1413	/H (BS) BUS	O PLUMES S	1A13 SABISB) W/O PLUMES SEPARATING FROM 09T10	ROM 09110		(RTJ457)	57) (38 AAL	JE 75 )
REFERENC ATA	<u> </u>							PARAMETRIC DATA	DATA	
SPEF - 2690.0000 SQ.FT. LACF - 1290.3000 INCHES BPEF - 1290.1000 INCHES SCALE0100	9354Z 4894X 2696X	.0000.0000 .00000 .0000000000000000000	.0000 IN. XS				MACH ALPHA DALPHA X	000 000 000 000	PTOTL BETA DBETA PCHE	28.900 5.000 000
Œ	PER NO.	9. 9. 9.	FR/L	1.76						
		>	2	ક	<b>.</b>	ç	CXN			
		10.2%	860	02752	88000	01575	. 00728			
		10.033	103,100	15650.	00013	01858	. 005c7			
		10.932	150.150	02408	00449	01497	.00602			
		10.139	200.250	02596	-,00301	61159	.00597			
		9.883 1.73	299.950	02356	00556	01296	.0022 <b>8</b>			
		10.338	599.630	01898	95000.	01796	62.00			
		10.473	799.660	01470	<b>5</b> 8000.	+.01248	***CO'-			
		8.603	999.880	. 00941	00157	01612	00≥6 <b>5</b>			

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(RTJ458) (31 JUL 75 )

## IAI3 SRB(SB) H/O PLUNES SEPARATING FROM 09110

	5.000 5.000 5.000													(31 JUL 75)		28.900	-5.000	5.000	1500.000										
	• • •													5 =		•			-										
DATA	PTOTL BETA DBETA PCHMB														DATA	PTOTL	BETA	086TA	0 1 1										
PARAMETRIC DATA	.000 .000 .000													(RTJ#59)	PARAMETRIC DATA	4.510	000	2.000	.000										
<u>a</u>	• • • •														à	_	_												
	MACH ALPHA DALPHA X		CYN	00333	00440	00337	00101	00014	00305	00224	00311	00455	00394			MACH	ALPHA	CALMA	• ×		Š	00603	00723	00532	00420	00261	66800.	.01339	50400.
			Շ	03147	03484	03743	03684	-,03540	のナナナロ・ー	04380	04788	04821	-,04908	ROM 09110							5	00133	.00142	00079	94100.	. 00:-53	.01954	. 02736	, 050 ·
			5	.00329	.00109	00242	00513	00860	00726	-,00328	98000.	96000	00087	1413,SRB(SB)WITH PLUMES SEPARATING FROM 09710							5	00688	00313	.00088	.00280	.00198	01028	02015	<b>*</b> B000.
	en vo vo	÷.	3	02392	02364	02232	02640	02986	02527	-,01904	01639	01261	01182	TH PLUMES S						1.78	ક	00072	.00281	.00837	.01326	.01582	16000.	01167	
	1167.0000 IN. X9. .0000 IN. YS. 400.0000 IN. ZS.	FRV/L .	2	16	49.714	99.628	149.720	200.290	300.580	400.430	599.980	799.900	998.440	3,5RB(SB)WI		1167.0000 IN. XS	24 .NI 0000 .N. YS			RN/L -	2	600.	49.810	97.941	150.340	200.040	298.550	600,140	
	1167	0 /110	>	č,	. 179	. 20 <b>5</b>	.307	1.187	900	9	.078	.226	175	IAI		1167.				RUN NO. 1041/ 0	<b>&gt;</b> -	1.	žŘ.	.83	270	303	2.803	/co	)
DATA	XHRP YHRP ZHRP	EN NO.													<b>1</b>	e s	2	1		PEN NO.									
REFERENCE D	90.FT. INCHES INCHES														REFERENCE DATA	50.FT.	INCHES			_									
REFE	2690.0000 90.FT. 1290.3000 INCHES 1290.3000 INCHES														REFER	2890.0000 SQ.FT.	1290.3000 INCHES	0010											
																• •													
	SAEF LREF BREF SCALE															286	36	SCALE											

1413,SPBGSB1HITH PLUKES SEPANATINO FROM 09710   RPLANS91 (31 JUL 75 PREVENCE DATA   REFLECKE DATA   RANAWETRIC CATA	DATE 02 AUG 75	IAI3 SOURCE DATA	DATA								PAGE	519
FEFERENCE DATA    PARAMETRIC DATA   PARAMETRIC D			1A13,S	RB(SB)WIT	H PLUMES S	EPARATINO FI	ROM 09710		(RTCH)		<b>T T E</b>	ال ر
1390, 3000 140, KS   167, 0000 141, XS   1690, 0000 50, FT   1790, 110, KS   1790, KS   1790,	REFERENCE DA	17						_	PARAMETR10	DATA:		
##/L = 1.78  Z	• 2690.0090 • 1290.3000 • 1290.3000		67.000 .000 .00.000	0 IN. XS 0 IN. YS 0 IN. ZS				HACH ALPHA DALPHA X	4.510 .000 5.000	PTOTL BETA DBETA PCHME	 	28.900 -5.000 5.000
2 CN CLM CY  .670 .0008300724 .03978 50.976 .0005000957 .03452 100.4200014901179 .03316 150.4600016301250 .03316 200.810 .0002401163 .02562 300.270 .0088500724 .02390 400.490 .0038100734 .02264 599.8300013000552 .02074  RM/L = 1.76  Z  CN CLM CY  Z CN CLM CY  291.50 .00164200708 .02115 99.522 .0101300708 .02018 20.5.420 .0038300599 .02022 399.150 .0038300599 .02022 399.150 .0028900591 .01197	•	RUN NO. 1042/		BH/L	1.76							
.670 .0008300724 .03478 50.976 .0005000957 .03462 100.4200014901178 .03316 150.4800016301250 .03316 200.810 .0002401163 .02692 300.270 .0068500724 .02590 400.490 .0038100734 .02564 599.8300013000552 .02774  Z Z CN CLM CY Z S91 .0108500708 .02171 49.904 .0104200708 .02154 99.522 .0101300708 .02154 25.5.420 .0038300599 .02022 399.150 .0028900599 .02022 399.150 .0028900591		>		2	3	5	Շ	CYN				
50.976 .0005000957 .03452   100.4200014901178 .03316   150.4800016301150 .02038   200.810 .0002401153 .02692   300.270 .0068500724 .02290   400.490 .0038100734 .02264   599.8300013000552 .02074   KN/L = 1.76		203.35	9	.670	.00083	00724	.03478	.01323				
100.4200014901179 .03316 150.4600016501250 .03038 200.810 .0002401153 .02692 300.270 .0068500724 .02390 400.490 .0038100734 .02294 599.8300013000552 .02074  FN/L = 1.76  Z		201.49		50.976	.00050	00957	.03452	.01393				
150.460		501.83		054.00	64100	01178	.03316	.01458				
200.810 .0002401163 .02692 300.270 .0068500724 .02390 400.490 .0038100734 .02254 599.8300013000552 .02074  FM/L = 1.76  Z CN CLM CY 291 .0108500708 .027171 49.904 .0104200708 .02215 99.522 .0101300708 .02078 25.5.420 .0087400599 .02078 25.5.420 .0038300599 .20224 599.150 .0020900591 .01797		200.04	_	50.480	00165	01250	.03038	.01421				
300.270 .0068500724 .02390 400.490 .0038100734 .02254 599.8300013000552 .02074 FM/L = 1.76  Z CN CLM CY 49.904 .0104200598 .02171 49.904 .0104200708 .02215 89.522 .0101300708 .02078 10.3/50 .0087400703 .02078 25.5/420 .0073800599 .02078 25.5/420 .0073800599 .02078 25.5/420 .0073800599 .02078 25.5/420 .0073800599		200.15		00.810	.00024	01163	. 02692	.01282				
400.490 .0038100734 .02264 599.8300013000552 .02074  RN/L = 1.76  Z CN CLH CY 99.904 .0104200708 .02171 49.904 .0104200708 .02215 89.522 .0101300708 .02215 25.5.420 .0033800599 .02028 399.150 .0002000487 .01577 5598.760 .0002000487 .01797		198.76		00.270	.00685	00724	.02390	1600.				
599.8300013000552 .02074  FN/L = 1.76  Z		193.66		064.00	.00381	00734	.02254	<b>2</b> 4500.				
Z CN CLH CY CY (19.90.9)		200.34		93.830	00130	00552	₩2020.	.00363				
2 CN CLH CY .291 .0108500598 .02171 49.904 .0104200708 .02215 89.522 .0101300708 .02154 20.7:50 .0087400703 .02078 20.52 .0073800599 .02028 399.150 .0002000487 .01577 5598.750 .0002900599	•	RUN NO. 1043/		RN/L =	1.76							
49.904       .01042      00598       .02215         89.522       .01013      00706       .0215         99.522       .01013      00706       .0216         10.0000      00703       .02076         10.0000      00599       .02022         399.150       .00020      00497         598.760       .00020      00599		<b>&gt;</b>		2	3	5	Շ	CYN				
49.904       .01042      00708       .02215         89.522       .01013      00706       .02164         10.0550       .00874      00703       .02078         25.5.420       .00383      0559       .02022         399.150       .00020      01477       .02124         598.760       .00050      0059       .01797		₩00.16	Ö	25.	.01085	00698	17150.	.00501				
99.522       .01013      00708         10.050       .00874      00703       .02078         10.0550       .00738      00599       .02022         399.150       .00020      00497       .02124         598.760       .00020      00599       .02124		¥00,72		+06.6+	54010.	00708	.02215	.00519				
300.50 .00014 -00013 .02018 .02018 .02018 .02018 .00138 .00589 .02022 .02022 .02020 .00020 .00020 .00199 .00199 .00020 .00020 .00199 .00199 .00199 .00199		400.33		99.525	51010.	00708	.02164	76600.				
50.50 .0038800589 .02022 250.420 .0038300599 .02022 399.150 .0002001487 .02124 598.760 .0002900551		P1 . 10		50	₩2800.	00703	.02078	.00618				
399.150 .0038300599 .02022 399.150 .0002000487 .02124 598.760 .0002900551 .01797		400.11		0.5 50	.00738	00644	71510.	.03620				
399.150 . 000600(487 .01797 . 05184		400.25		55.420	.00383	00599	. 02022	. 00482				
598,760 .00029 -,00551 .01797		¥02.36		39.150	.00050	0(487	. 02124	.00360				
		339.91	_	38.760	.00029	-,00551	.01797	.00366				

(RTJ460) ( 31 JUL 75 )

## IAI3, SRB (SB) WITH PLUMES SEPARATING FROM 09TIO

DATA	PTOTL = 28.900 BETA = -5.000 08ETA = .000	•
PARAMETRIC DATA	4.010 .000	000.
	MACH ALPHA -	• ×
REFERENCE DATA	SKEF = 2890.0000 SQ.FT. XMRP = 1167.0000 IN. X8 LREF = 1290.3000 INCHES YMRP = .0000 IN. YS DOCT = 1200.3000 INCHES ZMRP = .0000 IN ZS	0010

## RUN NO. 1046/ 0 RN/L + 1.75

>	2	3	<b>.</b> 70	Շ	CX
371	033	00016	00868	.02310	00142
.839	50.095	.00636	00547	.02295	00333
2.481	101.650	.01073	00012	. 02583	00876
<b>≯</b> 60.	149.850	.01213	.00220	.02138	00541
-, 112	199.710	.01012	.00377	.02672	00328
. 159	299.880	00184	00920	905+0'	¥0+10.
-2.123	401.120	01395	02243	.05502	.02005
.167	559.930	E+700	00775	49640.	.01215

### RN/L - 1.75 RUN NO. 1045/ 0

CYN	. 02580	.02617	.02781	.02767	.02504	. 0184¢	.01323	54010.
Շ	S1470.	.07120	.07103	04890.	.06195	.05704	.05575	.05281
g	00703	01070	-,01504	01179	01271	01039	00705	00618
3	00303	-, 00392	0037;	-:00287	00526	.00340	00175	00829
2	578	49.509	99.354	149.260	198.690	300.519	399.930	601.710
۰	200.860	199.540	199 920	200.120	201.690	201.750	200.830	200.290

## RUN NO. 1044/ 0 RN/L = 1.75

CYN	00410.	.01492	91210.	.01422	.01343	.01202	.01062	<b>₩8</b> 600.
Շ	. 05586	.05281	.05250	.05393	. 05443	. 05432	. 05349	.05098
당	00672	00705	00722	00747	00762	00707	00691	00537
8	.00330	.00387	.00338	.00372	.00334	60014	00351	00645
2	228	50.040	100.370	150.820	200.640	300.790	400.680	600.250
>-	403.310	400.230	401.080	400.780	400.700	400.730	400.550	398.430

## 1413,579(58)

4
PARAMETRIC DATA

4	7. • 28.900 A • -5.000 TA • -5.000																							
C DAT	PTOTE BETA DBETA PCHM <sup>E</sup>																							
PARAMETRIC DATA	000. 000. 000. 000.																							
	MACH ALPHA DALPHA T		CYN OP520	.01342		C	.03152	. 02990	. 02938	.03071	.0299	. 02543	.01610	.01292		C	.01523	.01620	71810.	.01935	.01863	.01682	74410.	54110.
			CY .09362	19810		Շ	.10807	.10293	£6501.	.10552	10821	. 08848	.09194	.08579		5	80.50°	.09057	. 08527	.02318	. 08+53	.08555	. ເອຣອາ	.03667
			CLN 0222	00719		r T	009 <b>28</b>	01128	01156	01273	-,01433	01358	00559	00588		Ş	00478	00533	64900'-	00693	00572	00570	+.0cs03	00589
		1.79	CN -,02345	01975	1.78	8	00743	00803	00503	00872	0:089	01028	00334	-,00890	1.78	ક	+0800	00179	00015	.00068	00010	00131	+6.00.1	00850
	1167,0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	FN/L -	2 400.550	598.730	PN/L -	7	-1.006	50.901	97.537	148.320	195.710	300.280	399.030	539.610	- 7/88	. 2	8.830	48.372	100.240	150.720	202.510	300.550	399.290	601.340
	• • •	RUN NO. 1091/ 0	ع	. 193	RUN NO. 10947 0	>	200.130	199.360	199.690	200.100	200.570	200.940	200.840	200.600	RUN NO. 1095/ 0	>	400.170	400.750	400.520	400.550	400.600	400.460	399.510	398.070
₹	XMRP YMRP ZMRP	N N			2 3										¥ 3									
REFERENCE DATA	SREF = 2690.0000 50.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	σ.			Œ.										Æ									

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# IAIS, SRBISBINITH PLUMES BEPARATING FROM OGTIO

(RT-3462) (31 JUL 75

PARAMETRIC DATA	- 4.510 PTOTL - 28.900	000 BETA -	- 5.000 DBETA -	■ 800 PCH#18 ■			¥1	ne.			紀	33	53	20	
	MACH	ALPHA	DALPHA	×			.02731			Š	.03325				
						Շ	. 13219	. 11977		Շ	13539	13809	. 13273	. 12376	
						S.	-,01955	00558		5	01629	01548	00654	00536	
					1.78	8	02502	01267	1.78	ક	00335	01345	00087	007≥	
	000 IN. XS	000 IN. YS	400.0000 IN. 2S		FN/L .	2	398.430	599.970	RN/L -	2	201.230	300.830	399,430	599.890	
	•	•	•		RUN NO. 1092/ 0	>-	3.038	1.375	RUN NO. 1115/ 0	>	200.490	200.240	200.450	201.020	
DATA			ZHRP		ACK NO.				₹ ₹						
REFERENCE DA	2690.0000 SQ.FT.	1290.3000 INCHES	1290.3000 INCHES	.0100											
	SAEF	- 1367	BAEF .	SCALE =											

# 1413, SRB (SB) HITH PLUNES SEPARATING FROM 09T10

(RT.463) (31 JUL 75

.02055 .01842 .01709 .01757 .01757 .01589 .01351

CY .12646 .12968 .13086 .13086 .12668 .12851 .12905

CLM - 00459 - 00859 - 00588 - 00588 - 00588

CN -.00157 -.00107 -.00121 .00047 -.00080 -.00386

. 187 49.640 99.041 148.520 159.490 226.480 001.600

7 399.140 399.450 400,410 400.170 399.410 401.190 400.180

PARAMETRIC DATA

REFERENCE DATA

- 1167.0000 IN. XS - .0000 IN. YS - .00.0000 IN. ZS 27.77 27.78 27.78 2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100 SREF -LREF -BREF -SCALE -

28.900 -5.000 -20.000 1500.000

PTOTL BETA DBETA PCHMB

MACH ALPHA DALPHA X

RUN NO. 1093/ 0

CYN .02055 .00608 .21918 **CLM** -.01808 -.00702 CN -.00498 -.00810 397.100 500.120 .**883** 

MAIN   SPRINGE DATA   PARAFERING PROPORTIO   PARAFERING DATA   P	DATE 02 AUG 75	IAI3 S	IAI3 SOURCE DATA								PAGE 523	m
Figure 2			141	8,SRB(SB)W[	TH PLUMES S	EPARATING F	ROM 09710		स् र		31 JR 75	_
HOURS   STRP   - 1167.0000   HV   XS   HACH   - 1,510   PTOTL   - 1,100   PTOTL	REFERENCE DA	ATA							PARAMETRI	C DATA		
## NO. 11327 0 184/L = 1.72  Y									. 510 . 000 . <b>1</b> 000	PT0TL BETA 23ETA PCHMB	. <del>.</del>	8888
## CCM		₹	1132/0	PANL -	1.72							
FOW NO. 1133/ 0 FRVL • 1.72  YOUNGS 200-240 0.01695 -0.01033 221606 0.01597  YOUNGS 200-240 0.01695 -0.01033 221606 0.01597  YOUNGS 238-340 -0.00523 -0.00533 22419 0.00537  YOUNGS 250-240 -0.00523 -0.00533 22419 0.00537  YOUNGS 2749 • 1187-0002 1N. XS  INCHES YARP • 100-0000 1N.			Y 200.420 200.790	2 398.490 599.630	. 00189 00254	CLM 01195 00568	cy .22728. .21196	CYN .01844 .00863				
FENCE DATA  900.980		PS NO.			1.72							
#01.553 597.4600038400479 .2:77000593 #01.553 597.4600038400479 .2:77000593 #ENCE DATA  #ENCE DATA  #ENCE DATA  #ENCE DATA  #CHC PARAMETRIC DATA  #CHC PARAM			Y +00.990 +01.480 +03.120	2 200. <b>240</b> 300.430 398.940	CN .01695 .01060 00623	CLM 01033 00953 00233	CY .21606 .24817 .23419	CYN .01587 .00052				
## PARAMETRIC DATA  ## ALF-14		•	1413	597.460 ; snaccount	5 534774 HJ	00479 CPARATING FI	.2:770 ROK C9710	. 00593	270)		ار لا	~
## ## ## ## ## ## ## ## ## ## ## ## ##	REFERENCE DA	Ϋ́							PARAMETRIC	DATA		
Z CN CLM CY 067017290073000034 50.0390126800456 .00139 98.0740042200125 .00405 147.38000163 .00031 .00501 200.51000533 .00094 .00762 300.1100190200978 .01310 400.1400395302725 .02669 509.9400265201693 .01901 799.9400265201693 .01901		XY48P YY48P	1187	000 1N. XS 000 IN. YS 000 IN. ZS				MACH ALFHA - DALPHA - X	0000.	PTOTL BETA DBETA PCHPB	i.	8888
2 CN CLM CY 067017290075400034 50.0390126800455 .00139 88.0740042200125 .00405 147.38000163 .00034 .00501 200.51000233 .00094 .00762 300.1100190200578 .02669 509.9400265901683 .01901 729.9400265901683 .01901	-	PCN NO.	0 /2%01	RN/L .	1.76							
50.039017290075000039 50.0390126800456 .00139 88.0740042200125 .00405 147.38000153 .00031 .00501 200.51000233 .00094 .01310 400.1400393302725 .01901 729.9400263201693			<b>&gt;</b>	2	Š	C. X	Շ	S.				
88.0740042200125 .00405   147.38000163 .00031   .00501			170	50.139	01729	00730	000 J	00403				
799.94000163 .00031 .00501 209.51000233 .00094 .00762 300.1100190200378 .01310 400.1400356302725 .02659 599.9400265901683 .01901 799.9400265901683 .01901			-1.801	98.07	00422	5000.	50,00.	0062				
300.151000233 .00094 .00762 - 300.1100190200378 .01310 400.1400395302725 .02669 599.9400265501693 .01953			.228	147.380	00163	.00031	.00201	-, 00859				
400.1400395302725 .01510 400.1400395302725 .02669 529.9400265901411 .01853 529.9400263201411 .01853			v. K	200.510	00233	<b>36000</b> .	.00762	+8+00·-				
799.8400263201683 .01901 799.8400263201411 .01853			co∵. 875.	400.140	03353	02725 02725	.01810.	\$1500.				
799.8400263201411 .01853			.358	\$39.940	02659	01693	10610	92900.				
			591.	799.840 900	02632	01411	.01853	. 60547				

(RTJ484) (31 JUL 75 )

PARAMETRIC DATA	4,510 PTOTL = 28,900 ,000 BETA = -5,000 ,000 DBETA = 5,000 ,000 PCHMB = 1500,000																										
ā	HACH ALPHA DALPHA X	į	200	.01993	16610.	.01725	.01525	.01218	. 00889	.00515	. 00526	.00463		CYN	.0055₩	. 00652	.00795	.00880	.00870	.00759	.00533	. 00551	.00519	74400.		CYN	.00735
		;	13801	. 02949	. 02913	. 02682	.02309	.01950	.01780	.01980	.01868	.01658		č	18610.	.01843	21910.	.01421	.01394	.01552	.01879	.01857	.01726	.01543		Շ	02505
		:	10.00 T	01290	01530	01723	01726	10110.1	01432	01372	01413	01258		å	00998	01076	01189	01223	01244	01329	01363	01383	01385	01323		S. H	~.02555
		1.78	OF OF O	03061	03082	02809	02545	-,02143	02257	02503	02526	02282	1.76	ટ	01994	+1010	01848	B-810	01879	02129	02320	02563	-,02509	02164	1.78	ર	-
	1167.0000 1N. XS .0000 1N. YS 400.0000 1N. ZS	RN/L -	7	50.980	100.840	150.650	200.760	301.130	400.580	599.830	799.520	938.500	FBV/L .	7	. 025 0.	49.804	66,492	149.290	198.750	299.570	399.180	600.220	801.080	999.030	RN/L	2	800.350
<	XMRP = 1167. YMRP = ZMRP =400.	RUN NO. 1048/ 0		202.090	201.120	200.180	201.080	199,650	198.930	200.900	198.510	199.390	RUN NG. 1049/ 0	۰	400.380	400.070	400.580	400.070	400.170	400.220	₩01.890	402.020	401.560	399.410	RUN NO. 1071/ 0	>	800.000
REFERENCE DATA	SCEF - 2690.0000 SQ.FT. LARF - 1290.3000 INCHES BREF - 1290.3000 INCHES SCALE0100	č											Æ												æ		

1413, SRBISBIWITH PLUNCS SEPARATING FROM 09710

PARAMETRIC DATA

₹ 5

PTOT MACH ALPHA DALPHA X

28.900 -5.000 1500.000 DBE 1.A PCHM: . ₹₹ . 000 . 000 . 000

RUN NO. 1052/ 0

- 1187.0000 IN. XS - .0000 IN. YS - 400.0000 IN. ZS

YHRP ZHRP Š.

SREF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES - 3REF = 1290.3000 INCHES - 3RCALE = 30100

REFERENCE DATA

-.01186 -.01007 -.00169 -.00125 . 033 50 . 034 100 . 120 1150 . 060 1199 . 560 369 . 500 369 . 890 969 . 880

.00320 -.00316 -.00316 .00754 .0198 .01160

. 701 . 783 . 453 . 419 . 419 . 592 . 893 . 878

.01690 .01732 .01978 .01797 .02563 .03390 .0460

-.01918 -.03977 -.02920

-1.611

RUN NO. 10517 0

CLM -.01184 -.01459 -.01724 -.03383

-.03049 -.03379 -.03221 49.402 99.576 149.290

CYN .02958 .02995 .03076 .02974 .02626

199.570 199, 910 199, 890 199, 450 200, 100 200, 100 200, 750 200, 750 200, 750 200, 750 200, 750 200, 750 200, 750 200, 750

300,420 399,980 600,590 801,520

-.02721 -.02533 -.02578

.00996 .00996 .01187

.05540 .05643 .05643 .05690 .04857 .04800 .04800

-.01668 -.01668 -.01668 -.01482 -.01482

-.02046 -.02150

> - P&C RUN NO. 1050/ 0

- 00829 - 00829 - 01148 - 01234 - 01345 - 013453 - 013453 -.02739

CY .0535£

-,02353 50.030 100.430 150.470 200.550 301.330 401,930 400,090 400,790 401,210 400,320

0.0162 0.01347 0.01347 0.0131 0.0131 0.01415 0.01415 0.01415 0.01415 0.01415 0.01415

04866 04486 04481 04481 04481 04481 04481 04481 04481 04481

400.670

-.02070 -.01990 -.02235 -.02473 -.02747 -.02733 600,620 793,750 993,580 400.000 398.300 397.900 399.190

PAGE

In . E

(31 JUL 75

(RTJ466)

1A13, SRB (SB) HITH PLUMES SEPARATING FROM 09710

CYN . 00415

CY .01408

CLM -.01492

CN -.02196

Z 801.360

800.110

RN/L

RUN NO. 1078/ 0

	28.900	-5.000	-5.03 <b>0</b>	1500.000																		
				•																		
DATA	PTOTL	BETA	08ETA	PC##8																		
PARAMETRIC DATA	4.510	000.	000.	000																		
	MACH	ALPHA -	DALPHA -	• ×		Š	. 02447	.01140	.01025	.01292		Z.	.03818	.03710	.03577	.03200	. 02690	. 02211	.01533	.01212	. 00910	.01291
						5	.07892	11470.	. 07598	.07236		Շ	.08575	.0819 <del>4</del>	.07998	96160.	. 10223	. 09205	.08164	.07659	27770.	.07341
						ដូ	02415	01428	01257	01298		2	01266	01725	+1610	01937	875 D	01842	01382	1-:01341	01295	0182
					1.78	ક	03871	02786	02939	02538	1.78	ક	03562	03631	03493	03422	03422	03801	02297	02815	02783	02668
	1167.0000 IN. XS	3000 IN. YS	400.0000 IN. ZS		RN/L	2	399.040	600.470	801.470	1000.100	RN/L .	7	-3.037	51.971	99.055	149.550	197.580	299.580	399,020	599.000	801.110	1001.000
	• 1167.	•	- 400		RUN NO. 1098/ 0	>	.731	926	<b>8</b> 58.	.318	RUN NO. 1096/ 0	<b>&gt;</b> -	200.500	200.250	199.520	199.770	200.700	202.560	200.520	203.810	202.420	200.870
₹	Q X		ZHBB		<b>9</b> <b>3</b>						2											
REFERENCE DATA			,	SCALE0100	<b>u</b> .						·											

DATA
SOUPCE
[413
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PAGE 527

PAGE 367	(31 JUL 75 )	PARAMETRIC DATA	HACH - '4,510 PTOTL - 28,800 ALPHA000 BETA5.000 DALPHA000 DBETA5.000 X000 PCH49 - 1500.000	
IAI3 SOURCE DATA	IAI3, SABISBINITH PLUME		XHSP = 1167.0000 IN. XS YHSP = .0000 IN. YS ZHSP = 400.0000 IN. ZS	RUN NO. 1097/ 0 RN/L * 1.78
DATE 02 AUG 75 [A]		REFERENCE DATA	SREF = 2890,0000 SQ.FT, XMRP = UREF = 1290,3000 INCHES YMRP = 800,3000 INCHES ZMRP = SCALE = .0100	ACN

<b>&gt;</b>	2	3	CL#	ბ	CYN
430.480	.870	- 02965	-,00883	.08369	.01659
400.920	49.578	02860	50600	.08930	95410.
400,500	100.310	02774	00891	.08713	1 45 10.
400.250	153.200	-,02532	00973	. 08266	.01471
450.320	201,310	02265	01137	.05530	.01469
400.320	27.9,140	-,07353	01175	.06273	.01338
£00.180	403,630	02613	91195	. CB28*	.01193
398,510	595,060	02599	01310	.07854	.01051
397,840	802,390	02765	-,01237	15770.	. c0952
398,670	1000,100	02395	01250	.07c.	.01236
AUN NO. 1079/ 0	RN/L	1.78			
>	2	ક	2	Շ	CYN
80.1	797,590	-, 02282	01321	.07334	.01136

5		
m		
U 18 ) (18 ) (18)	DATA:	PTOTL BETA DBETA PCHHB
BACTR3	PARAMETRIC DATA	0000
	_	
		MACH ALPMA DALPMA
1A13, SRB (SB) WITH PLUMES SEPARATING FROM OGTIO	REFERENCE DATA	SAEF = 2690.0000 SQ.FT. XPRP = 1167.0000 IN. XS LREF = 1290.3000 INCHES YMRP = .00000 IN. YS BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZS SCALE = .0100

28.900 -5.000 -10.000 1500.000

(RTJN67) ( 31 JUL 75 )

	CYN	.04490	<b>3</b> 62.50.	00600	.01030
	ا د	11371	10221	11209	.10958
	S.	02101	01363	60110	51106
1.76	3	- 04033	02554	02635	02534
- J/88/	7	402.C30	596.880	B00.300	1000.300
RUN NO. 1101/ 0	<b>&gt;</b> -	2.012	698	601.	925

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# IAI3,SRB(58)WITH PLUMES SEPARATING FROM 09110

### (RTJ467) ( 31 JUL 75 )

28.900 -5.000 -10.000 1500.000

			•	,
C DATA	PTOTL	BE 1A	41390	PCHE
PARAMETRIC DATA	4.510	000.	000	.000
O.				
	Ŧ	ALPHA .	<b>≸</b>	×
	¥	¥	DAL	×
	- 1167.0000 IN. XS	YMRP0000 IN. YS	- 400.0000 IN. 25	
	٠.	•	٠	
<u> </u>	×	Ě	ZMRP	
REFERENCE DATA	2690.0000 SQ.FT.	1290.3000 INCHES	BRE" = 1290.3000 INCHES	.0100
	•	•		•
	1365	Ŗ	306	SCALE

## RUN NO. 11167 0 RN/L = 1.78

CYN	.03578	.02594	.01554	.01312	<b>7</b> 6200.	.00935	
Ç	.11043	. 12899	.11565	.11031	11434	.11067	
CLM	02014	02174	01202	01248	01190	0109 <b>5</b>	
ક	02913	03449	02345	02746	02567	02509	
2	200.830	303.470	401.070	599.970	801.720	1001.503	
<b>&gt;</b>	199.930	200.770	200.420	200.870	202.010	200.950	

## RUN NO. 1117/ 0 RN/L = 1.78

CXS	. 02352	.02086	.01933	.01628	.01397	.01143	.01235	.01019	64400.	.00893
ζ	.11158	.115í*	.11160	.11651	.12065	12417	.11811.	.11609	.11575	.11031
5	00869	0097 <b>B</b>	01072	01097	01082	01088	01157	01211	01190	01085
Š	02867	02590	02174	02029	02072	02198	02163	02496	02625	02344
2	667	49.596	99.151	149.160	197.540	299.820	400.250	597.610	801.870	1002.500
<b>&gt;</b>	399.770	400.320	399.880	400.140	400,160	401.670	402.620	402.210	401.720	400.170

## RUN NO. 1086/ 0 RN/L = 1.76

C	.00783
S	. 112557
r S	01034
ક	える0
2	798. <b>690</b>
<b>&gt;</b>	801.270

(RTJ468) (31 JUL 75 )

## 1A13, SABISBINITH PLUMES SEPARATING FROM 09110

### PARAMETRIC DATA

REFERE	REFERENCE DATA	•							PARAMETRIC DATA	¥ ¥	
SHEF = 2690,0000 SCALE = 1290,0000 UNIO	SQ.FT. INCHES INCHES	dest.X	. 1167.0	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH ALPHA DALPHA X	. 510 . 000 . 000 . 000	PTOTL BETA DBETA PCI#B	28.900 -5.000 -20.000
	€	9 3	RUN NO. 1102/ 0	BN/L .	1.72						
			>	2	ક	ដ	ζ	CYN			
			.528 858	398.180	01578	01334	51571.	.01699			
			.823	600.150	02307	01208	.20721	. 60808			
			1.050	798.170	02870	-,00814	. 20501	17500.			
			033	998.710	02191	**500°-	.2001 <b>2</b>	₹200.			
	Œ	9 3	RUN NO. 11317 0	₩1/F	1.72						
			>-	7	ક	3	Շ	N.			
			199.960	400.260	02545	02094	.21086	.02051			
			200.280	539.970	02473	0109	. 20359	94010.			
			200.010	799.570	02645	00801	.20702	.00313			
			200.290	1000.000	02137	00900	. 19903	.00531			
	Œ	€	RUN NO. 1130/ 0	RN/L	1.72						
			>	~	ક	ş	Շ	Š			
		-	401.250	300.750	00935	01449	. 20558	14410.			
		-	400.430	399.650	01892	01056	.23166	00063			
		_	400.740	602.000	02604	€0800	.2067¥	.00872			
		-	401.980	801.100	02629	+0800	.21040	.00170			
		-	400.710	1000.400	02179	00875	. 20041	£ 7400°			
	Æ	9 3	RUN NO. 1097/ 0	BN/L .	57.1						
		_	¥ 800.840	Z 800.330	CN 02621	CLM 00786	CY .21110	CYN . 00030			

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SREF . LREF . BREF . SCALE .

# (RTJ469) ( 21 JUL 75 )

REFERENCE DATA	<b>₹</b>								PARAMETRIC DATA	DATA		
2690.0306 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100	XHRP YHRP ZHRP	116.	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	XS 7.5 2.5				MACH ALPHA - DALPHA - X	4.510 .000 .5.000	PTOTL BETA 3BETA PCHPE	 58.900 -5.000 5.000	
-	Se No.	RUN NO. 1053/ 0	O PAVIL .	1.78	δο.							
		>	2		3	5	Շ	CYN				
		.397		•	02502	00615	. 00229	00023				
		-1.971			01798	00301	.00187	44100				
		.063			01492	00084	. 00226	00221				
		7.			01794	00105	50400.	00117				
		<u>ي</u> و			03396	01317	.01463	565.00				
		9			05509	031E1	10000	, 01 10 .				
		<b>5</b>			04/56	06318	Annun.	67900.				
		690. 600.	1000.200		04963	02001	96310	.00599				
•	3	0 / 100	· //8	1,76	yc.							
•					ı							
		<b>&gt;</b>	7		ਣ	r.	ბ	Z.				
		200.990			05812	0185£	.02279	.02141				
		200.690			05501	62101	. 02279	.01993				
		201.110			05309	02561	.02427	16810.				
	-	201.510	-		05247	02272	.02131	.01947				
		159.520			04591	02081	****	8-K : 0 :				
		198.420	-		-,04479	02504	.01508	49600.				
	-	200.040	•		-, 04932	02067	.01929	06900.				
		197.860	•		04823	-, 02045	. 02199	8400.				
		198.510	988.770		04463	02030	.01886	. 00516				
•	SEN NO.	RUN NO. 1057/ 0	D RN/L -	1.76	ğ							
		<b>&gt;</b>	Z	ပ	3	5	Շ	CYN				
		120, 720			04587	01826	.0251¥	.00351				
	-	400.140			04556	0 1842	.02306	.00460				
	•	054.304			04622	01829	. 02132	.00562				
	•	395.900			04584	·.01843	92610	.00F'3				
	•	305.800			04532	01910	.01877					
	-	¥00.200			04528	02002	.01971	. მწავმ				
	-	402.150			04579	02052	. 02013	.00653				
	-	402.370			04819	02063	55150.	77500.				
	_	402 .60	•		04735	02093	. 02092	94500.				
	-	400.610	000 - 000 !		04577	020	. n l 797	51500.				
•	9 3	AUN NO. 1072/ 0	0 RN/L •	1.78	δο							
		>	7	ပ	3	CLH	Շ	Z X				
	_	800.640			04801	02133	.01835	10400				

SREF ... LREF ... BREF ... SCALE ...

			IAIS.SRBISBINITH PLUNES BEPARATING FROM OSTIO			, <del>1</del> 5, 12, 1	(RT-4-70) ( 31 Ju	Ē	5
PENCE DATA						PARAMETRIC DATA	DATA		
50.FT. X	Q.	•	SO,FT. XMRP = 1167.0000 IN. XS	MACH	•	- 4.510 PTOTL	PTOTE		
INCHES YMRP -	d F		.0000 IN. YS	ALPHA		000.	.000 BETA	•	

ACT ENERGY.	<u> </u>										
2590,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES .0100	XMRP YMRP ZMRP	1167.0	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				HACH ALPHA = OALPHA = X	4.510 .000 -5.000	PTOTE BETA CBETA PCHMB	28.900 000. 1500.000	
	RUN NO.	RUN NO. 1056/ 0	RN/L	1.78							
		>	2	8	ر ا	č	CYN				
		906	50.122	01879	00917	.01690	₩9900.				
		. 528	100.010	01422	-,00598	.01630	7+530.				
		. 266	150.040	01231	00343	.01081	61000.				
		.208	189.800	01128	00431	.01176	.00053				
		362	299.760	-, 02662	01496	. 02439	.00967				
		814	339.860	05563	- 02759	.04190	.01825				
		.175	599.780	05102	02208	.03647	.01337				
		-1.009	798.610	05278	01913	٠1620.	.01239				
		423	993.530	04930	01899	. 03643	.01715				
	PUN NO.	RUN NO. 1055/ 0	FRVL .	1.76							
		>	2	ક	Ę	Ç	CYN				
		200.050	49.044	04702	02205	.04595	.02822				
		199.860	844.66	05201	02382	. 04698	.02867				
		199.170	149.130	05436	02552	.05053	.02949				
		201.620	198.750	05620	02555	. 05031	.02850				
		200.800	299.570	+7740	02022	¥1040.	.02164				
		200.220	490.190	04105	02183	.03621	.01617				
		201.830	600.270	04455	02268	.04122	.01165				
		201.410	801.270	05133	01953	. 03955	01140				
		201.620	1000.300	04669	01979	.03742	.01233				
	PUN NO.	RUN NO. 10607 0	- Y-K-	1.76							
			,	,			,				
		- 1	7	Z	E C	ςχ	N. C				
		400.040	-1.276	04560	01771	19650	<b>c</b> + 500 ·				
		401.340	700.16	7.04647	10175	57.75	05010.				
		401.120	99.258	98640	01753	01770.	.01200				
		401.300	049.161	04587	67710	. 04137	91510.				
		401.200	199.593	34558	- 01 786	N + 0 + D ·	.01367				
		400.320	302.700	04467	01931	.03965	.01312				
		400.140	399.650	04400	02c5B	.03993	.01240				
		397.710	600.110	04572	02126	.03916	.01099				
		397.960	802.250	0+739	02039	.0380:	.01137				
		398.970	996.770	97770·-	02009	. 03589	.01209				
	10 10 10 10 10	RUN NO. 1077/ 0	RN/L	1.78							
		>-	2	S	ž	5	N.C				
		900.180	798.180	04428	02122	.03788	01068				
		)	; ; ;	] [	1	,					

SREF . LREF . BREF . SCALE .

(RTJ471) ( 31 JUL 75 )

PARAMETRIC DATA

	<b>.</b>																											
	28.900 -5.000 -5.000 1500.000																											
DATA	PTOTL BETA DBETA PCHMB																											
PARAMETRIC DATA	4.510 .000. .000.																											
	MACH ALPHA BOALPHA B		CYN .01714	.01387	.01448		CAN	.03296	.03743	.03632	.03293	. 02559	.01586	.01260	.01127	.01021		CAN	.01512	.01590	01310	.01408	.01321	.01256	.01276	\$C010.	19500.	.00918
			CY .07376	.08727	.06438		ò	.06695	64890.	.07260	20770.	44080.	.06729	.06700	.06787	. 06859		Շ	.07318	.07119	.06939	.07058	.07189	.07155	.08866	81690.	57630.	.07013
			CLM 02808	02149	01840 01840		r,	02420	-, 02598	02691	02739	02549	01960	01973	01929	01907		<u>د</u>	01557	01598	01613	01642	01651	01782	01964	02006	01996	01302
		1.7	S	04607	05417	1.77	ક	04662	04933	05307	05338	05625	04351	04556	-,04990	04605	1.71	ક	04835	04730	-,04618	04543	19170	04303	04125	04385	04302	04410
	1167,0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	RN/L .	7 2007	601.290	797.520 1001.800	FN/L	2	50.804	99.797	148.550	201.100	301.430	400.130	599.390	799.450	997.880	RN/L .	7	.330	48.116	101.730	147.170	197.820	300.680	400.880	596.130	802.710	999.330
		RUN NO. 1099/ 0	<b>&gt;</b>	559.1 559.	. 691	RUN NO. 1104/ 0	>	199, 350	198.930	199.310	200.350	202.600	200.790	200.540	200.680	199.810	RUN NO. 1105/ 0	>	399.170	399.880	399.100	399.650	398.630	400.910	401.120	399.850	402.080	400.010
4	XMRP YMRP ZMRP	PCN NO.				35 35 30 30											P. NO.											
REFERENCE DATA	SQ.FT. INCHES INCHES																											
REFER	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES																											

CYN . 01 138

CY . 04044

CLM -.01345

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2 801.890

۲ 799.960

1.77

PN/L -

RUN NO. 1090/ 0

DATE 02 AUG 75

n i E

## IAI3, SPR (58) WITH PLUNES SEPARATING FROM 08110

(RTJA72) (31 JUL 75 )	PARAMETRIC DATA	4.510 PTOTL = 28.900 .000 BETA = -5.000 -5.000 DBETA = -10.000 .000 PCH4B = 1500.000
		HACH ALPHA - DALPHA -
IAI3, SRB (58) HITH PLUNES SEPARATING FROM 09710		- 1167.0000 IN. XS 0000 IN. YS - 4C0.0000 IN. ZS
	<b>«</b>	XHRP YHRP ZHRP
	REFERENCE DATA	2890.0000 SO.FT. 1290.3000 INCHES 1290.3000 INCHES

RUN NO. 1100/ 0 RN/L = 1.78

SREF ... LREF ... BREF ... SCALE ...

CYN .01785	50£10.	Š	.03056	.01683	91410.	.01254		CM	.02487	. 02243	71610.	*** 10.	.01934	.01800	ttale.	.01337	.01183
CY . 09926 . 09051	.09320	ิจ์	1043	61760.	56580.	75480.		ζ	. 09386	.09675	.10057	.10359	88560.	. 09479	. 69369	.09432	98460.
CLN 7.02574 7.02069	01924	r S	03115	01895	01807	01766		G.M	01469	01432	01358	01237	01628	01694	01749	01812	01676
CN 04638 04190	04035	6. S	04997	03960	04012	-,03838	F. 78	ક	04523	04697	04833	04930	04001	-,03923	03823	03850	03905
2 400.050 802.280	799.680 998.080	FBV/L •	209.220	400.450	799.820	901,100	RN/L .	2	49.854	100.530	147.600	200.810	298.310	399,280	600.220	901.500	1000.0001
γ 1991. 1933	.589	RUN NO. 1119/ 0	200.420	202.420	202.100	201.150	RUN NO. 1118/ 0	<b>&gt;</b> -	399.670	399.710	399.280	₩ JO. 330	401.220	402.080	402.140	40≥.050	401.240

OF POOR QUALTY.

CYN .01072

CY .09777

CLN -.01680

₹. 9403!

2 799.070

Y 800.680

- J/AB

RUN NO. 1085/ 0

SOURCE DATA	
IAI3	
AUG 75	
DATE 02	

IAI3, SRB (58) HITH PLUMES SEPARATING FROM 09110

(RTJ473) (31 JUL 75 )

PAGE 534

PARAMETRIC DATA	- 4.510 PTOTL - 28.900 000 BETA5.000 5.000 DBETA20.000 000 PCMMB - 1500.000
PARAM	HACH - 4.5 ALPHA0 DALPHA5.0 X
	S. S.
	XHRP = 1167.0000 IN. XS YHRP = .0000 IN. YS ZHRP = 400.0000 IN. ZS
REFERENCE DATA	2690.0000 SQ.FT. XV 1290.3000 INCHES YV 1290.3000 INCHES ZV
	SREF LIREF BREF SCALE

ne.		
<b>5</b>		
1103/		
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CYN .01249 .02169	.01215 CYN	.02189 .02189 .01471 .01191	CYN .02418 .01978 .01348	CYN .00814
CY .14204 .14907	. 15847	. 15140 . 15287 . 16720 . 16731	CY .16196 .16137 .16923	72 . 06958
CLM 01828 02048 01562	01552 CLH	-,02592 -,01805 -,01508 -,01554	CLM 01941 01547 01500 01519	CLM 01917
CN -, 03048 -, 03295	03314 1.77 CN	04542 03238 03392 03392	CN 02564 03428 03539 03378	1.77 CN 04258
Z 401.890 800.950 8798.940	1000.300 RN/L = 2	398.620 300.000 798.510 993.960	2 399.730 600.570 800.290 997.450	RN/L = Z Z B02.480
7 -2.456 -1.847	751 RUN NO. 1128/ 0	200.310 199.770 199.720 201.320 RUN NO. 1129/ 0	7 399.680 400.570 401.160 397.880	RUN NO. 1088/ 0 Y 799.450

DATE 0	DATE 02 AUG 75		IA13 SOURCE DATA	<u> </u>							PAGE	SE 535
			141	1413.588(59)HITH PLUNES SEPARATING FROM OBTIO	TH PLUMES S	EPARATINO FE	90H 08T10		(27,7474)		۲ 1	( 31 JAL 75 )
	REFERENC	ENCE DATA	1,4						PARAMETRIC DATA	DATA:		
SREF	- 2590.0000 50.	SQ.FT.	• •						4.510	PTOTL BETA		28.900 -5.000
BAEF .	0010.	SUCON	2MR = 400.	400.0000 IN. 28				× ×	000.	POWEYA	c 1	5.000 1500.000
		•	RUN NO. 1061/ 0	RN/L =	1.77							
			>	2	8	5	ç	CYN				
			549	204.240	02908	-,00408	0015# acron	.00189				
			*10	400.640	07915	03121	.01667	.01324				
			2.052	600.580	06381	02910	€6020.	.00681				
			1.173	901.080	-,08921	02304	.01830	1.800.				
			B:0.	000.0001	07075	02050	.01263	08600.				
		•	RUN NO. 1052/ 0	RN/L .	1.1							
			<b>&gt;</b> -	2	Š	ਣ	5	CYN				
			200.610	201.240	07978	02729	. 02367	.02225				
			199.550	300.030	05956	02689	62910.	.01611				
			197.860	400.320	06596	02616	501305	.01204				
			197,700	600.3:0	06952	02401	.01759	8+.200.				
			198,103	799.370	07066	02229	¥1610.	.00734				
			198.380	1000.200	07043	02044	.01288	96800°				
		u	RUN NO. 1058/ 0	RN/L .	1.71							
			>	2	ક	Ę	Շ	Š				
			1400.940	.714	06324	32483	.02291	.00559				
			077.007	50.340	06451	02450	. 02135	. 00666				
			401.050	100.570	06522	-,02379	.01985	.00750				
			050.004	019.000	- 06704	- 02227	93010.					
			400.910	301.300	06669	02266	.01529	7.000.				
			399.570	401.670	06732	02288	.01577	.00827				
			398.430	600.540	07028	02324	51050.	91900.				
			399.010	800.150	+1070	02178	.01673	P67.00.				
			398.510	999.200	-, 25861	02111	.01227	. 00812				
		Œ	RUN NO. 10737 0	RN/L .	1.1							
			>	2	3	C.	Ċ	Š				
			800.690	901.830	06 <b>928</b>	02257	87110.	.00715				

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PAGE 338	(RTJ475) (31 JUL 75 )	PARAMETRIC DATA  HACH - 4.510 PTOTL - 28.900  ALPHA000 BETA5.000  DALPHA - 10.000 PCHMB - 1500.000  X	
1A13 SOURCE DATA	1A13, SRB (58) WITH PLUMES SEPARATING FROM 09710	DATA T. XMRP = 1167.0000 IN. XS S. YMRP = .0000 IN. YS S. ZMRP = .400.0000 IN. ZS	
DATE 02 AUG 75		REFERENCE DAT SREF = 2690.0000 SQ.FT. LRUT = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	

Y Z CN CLM
2 2010.010 300.390
<b>វ</b> ហិ
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;	11210.	.01900	. 02929	. 02931 . 03958 . 01271	660+0.	.03832		Ŭ	.05223	.05030	.0374₽	02742 .04302 .01092	. 04306	0,000
₹ 8		0326101					1.78	S.	88				067520	
7	201.010	300.390	401.600	597.850	800.580	996.960	RN/L -	7	196.980	299,290	402.280	598.320	803.040	
>	3	10	33.	255			RUN NO. 1063/ 0	>	200.110	202.580	000	201.830	201.830	

CAN	. 02938	. 02355	.01560	.01092	15010.	₹10.		CYN	10110.	.01227	.01428	.01562	.01619	.01586	.01500	.01050	97600.	.01090
Շ	.05223	. 05030	.0374₽	.04302	.04306	03840		Շ	94640	.04328	. 03842	.03420	.03271	.03231	.03264	65140.	.04299	.03811
r T	03315	03173	02732	02742	02530	02402		5	02622	02644	02647	02557	02485	02576	02692	02645	02534	02446
ક	07288	06897	05697	06303	06752	06585	1.78	3	-,03834	+0650	05988	05073	06226	06017	05917	-,06292	06609	06334
2	196.980	299,290	402.280	598.320	803.040	999.810	F8/L	7	980.1	48.652	101.570	147.170	199.740	299.430	399,060	599.740	801.260	1000.200
۶	200.110	202,580	000.4.000	201.830	201.830	201.210	KIN NO. 1059/ 0	>	199,640	399.420	399,770	399.950	395.370	400.240	400.410	401.930	402.170	401.000

.00976 00010.		CYN . 00974
.03811		CY .03935
02534 02534 02446		CLM 02953
06692 06609 06334	1.76	CN 06105
599.740 801.260 1000.200	RN/L - 1.76	<b>2</b> 797.950
401.930 402.170 401.000	BUN NO. 1076/ 0	۲ 799.980

	8
DATA	IA13,5R
SOURCE DATA	
1413	
_	
35	
PQ V	
95	
DATE	

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Š
SEPARATING F
PLUMES S
ILSB) HITH
8

		141	3,588(58)	IAI3, SABISBIHITH PLUNES SEPARATING FROM 08110	EPARATINO FI	ROM 08110		(RT.3476)		(31 24.75)
REFERENCE DATA	<b>₹</b>							PARAMETRIC DATA	C DATA	
SAEF = 2590,0000 SQ.FT. LREF = 1290.3000 INCHES SCALE = .000.3000 INCHES	XIMBP YHRP ZHRP	1137.	1137.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	<b>അ</b> ഗ ഗ			HACK ALPHA - DALPHA -	000°.	PTOTL BETA DBETA PCHMB	28,900 -5,000 -5,000
_	RUN NO.	RUN NO. 1108/ 0	RN/L	1.71						
		>	~	ક	Ş	5	S.			
		1.997	598.800	06732	02900	.06005	.01716			
		1.217	802.980	07384	-,02305	.05817	.017+3			
		.785	1000.300	07128	02174	. 05806	.01658			
-	PUN NO.	RUN NO. 1107/ 0	RN/L -	11.77						
		>	7	ક	ક	Շ	CYN			
		200.590	197.720	06816	03279	.06619	.03461			
		200.330	302.110	06923	03564	171173.	.03083			
		200.400	401.940	05962	02442	.05347	.02175			
		199.880	599.830	06724	02479	.05050	.015:7			
		201.720	800.790	07218	02312	.06223	.01518			
		200.060	1002.000	06805	02308	,05817	.01529			
•	2	RUN NO. 1106/ 0	RN/L	1.77						
		>	7	ક	ş	5	CX			
		389.270	151.570	B-750	F1460'-	.05799	.01B*4			
		399.080	198.040	05784	02410	.05806	.01738			
		398.780	300.170	05645	02499	.05584	.01659			
		401.370	396.550	05648	02557	.05485	.01709			
		400.160	599.950	05913	02612	.05948	.01554			
		*02.160	804.410	05578	02387	16190.	.01403			
		400.180	1001.500	08295	02407	.05877	.01447			
•	PEN NO.	RUN NO. 1081/ 0	RN/L	1.1						

CL# -.02575

CN -.05781

Y 800.050

(RTJ477) ( ±1 JUL 75 )

	28.900	-5.000	10.000	000.009	
				=	
A I A	PTOTL .	BETA -	DBE 14	9	
PARAMETRIC DATA	4.510	000.	-10.000	000.	
•		•		•	
	HACH	ALPHA .	DALPHU	×	
	- 1167,0000 IN. XS	SY NI 0000 - 9647	- 400 0000 IN. ZS		
	9	Ĉ	è	3	
REFERENCE DATA	73 02 0000 0056	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CHICAL COCCUCES		
	1000			1	•
	3	<b>X</b> 8	ב אבר האבר האבר	5 5	Ì

## RUN NO. 1109/ 0 RN/L . 1.78

CYN .01944 .01872		CYN .02364 .01855 .01665
. 08254 . 08025 . 08047		. 07292 . 08242 . 08311
CLM 02730 02372 02213		CLM 03036 02423 02319
CN 06034 06719 06228	1.78	CN 04635 05078 0622
2 600.520 799.840 1002.700	RN/L .	2 401.790 801.740 901.110
Y 1.237 020,	TUN NO. 1120/ 0	7 200 - 750 200 - 520 202 - 440 200 - 820

## RUN NO. 1121/ 0 RN/L = 1.76

3	.02108	. 02063	**S10.	.01432	6+210
Շ	.08283	.07870	. 08609	. 08539	. 08485
5	- 01813	01872	02214	02265	02283
8	06309	06257	05684	05871	05607
2	298.040	397.910	599.090	800.510	939.110
<b>&gt;</b>	400.150	401.220	402.500	403.000	400.670

### RN/L - 1.76 RUN NO. 1084/ 0

CYN	<b>子記明10</b> .
ç	.06723
r E	02309
ક	- 100++1
7	799.490
<b>&gt;</b>	020.000

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DATE 02 AUG	AUG 75	1A13 S	IAI3 SOURCE DATA								PAGE	539
			[A13	SRB(SB)HIT	IH PLUMES SI	IAI3,SRBICGIHITH PLUMES SEPARATING FROM 09TIO	90H 09110		(RTJ478)		131 74	. 75
	REFERENCE DATA	17A							PARAMETRIC DATA	: DATA		
SREF LREF BREF SCALE	2690.0000 SQ.FT. 1290.3000 INCHES 1295.3000 INCHES	delta delta	0.00.	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH ALPHA DALPHA X	000. 000. 000. 000.	PTOTL BETA DBETA PCHMB		28.900 -5.000 -20.000 1500.000
		80	RUN NO. 1126/ 0	RW/L	£.1							
			Y 200.700 202.180 201.260	2 600.740 801.740 1000.800	CN -,06598 -,05922 -,05713	CLM 01276 01441 01339	. 14364 . 14071 . 13789	CYN .01473 .01798 .01634				
		PE NO.	RUN NO. 1127/ 0	RN/L	£.1							
			Y 399.960 400.230 398.560	2 598.530 800.350 998.970	CN 05753 05063 05687	-,01530 -,01300 -,01397	73 14288 14041	CYN .01945 .01562				
		₹ 8	RUN NO. 1389/ 0	FW/L -	52.1							
			Y 401.220	2 397.910	CN 06257	CLM 01872	CY .07870	CYN . 02063				
			EIVI	1,5P8 (S8) H1	TH PLUMES S	1413, SPB (SB) HITH PLUMES SEPARATING FROM 09110	ROH 09110		(RT-A-79)		(31 24.73	ا ا
	REFERENCE DATA	ATA							PARAMETRIC	DATA		
SPEF LREF BREF SCALE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	X 1989 2 1989 2 1989		1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH ALPHA BEALPHA B	000. 000. 000. 000.	PTOTL BETA DBETA PCHHB	-	28.900 -5.000 5.000 1500.000
		95 80	RLN NO. 1085/ 0	• 1/NE	1.78							
			7 2.53 699 8¥0.	\$01.690 801.120 1000.900	CN -,10357 -,11365 -,11352	CLN 04285 03139 02670	CY .01390 .01178	CYN . C1023 . C0655				
		R NO.	RUN NO. 1068/ 0	RN/L .	1.78							
			Y 202.170 197.580 199.380	2 598.050 800.820 993.110	CN 10728 10772 10626	03217 03017 02832	CY .01793 .01117	CYN .006249 COF73				

DATE 02 AUG 75	AUG 75	1413	1A13 SOURCE DATA	₹.							PAGE	ŝ
			141	3,548(58)HI	TH PLUMES S	1A13, STB (SB) WITH PLUNES SEPARATING FROM 09110	30H 09110		(RTJ479)		( 31 JA	E C
	REFERENCE DATA	Y.							PARAMETRIC DATA	DATA:		
SREF LIREF BREF SCALE	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES	ATTENDED TO THE STATE OF THE ST	1187	1187.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH ALPHA DALPHA T	4.510 .000 -20.000	PTOTL BETA DBETA PCHMB		28.900 -5.000 5.000
		PCN FE	RUN 140. 1087/ 0	FN/L -	1.78							
			Y 402.070 401.860 399.740	2 598.140 800.800 1000.600	CN 10450 10532 10603	03119 02988 02757	CY .01107 .00881 .00818	CYN .00800 .00831				
		M W	RUN NO. 1074/ 0	FRV/L.	1.78							
			γ 799.990	2 801.680	CN 10455	CLH 02972	CY .00059	CYN .00773				
			Z	3,5R8(S8)WI	TH PLUMES S	IAI3,SRB(SB)WITH PLUNES SEPARATING FROM 09110	OH 09110		(RTJ480)		(3) JUL 75	ě.
	REFERENCE DATA	<b>1</b> A							PARAMETRIC DATA	: DATA		
BREF - BREF - SCALE -	2990.0000 SQ.F7. 1290.3000 INCHES 1290.3000 INCHES	XHER VHRP ZHRP	• • •	1167.0000 IN. X6 .0000 IN. Y5				MACH ALPHA DALPHA X	600.05- 000.05-	PTOTL BETA DBETA PCHTB		28.900 -5.000 .000 .1500.000
		ž	RUN NC. 1070/ 0	RN/L -	1.76							
			7 849. 775.	2 800.070 1000.500	CN 11377 12345	CLM 03478 02478	CY .04421 .04788	CYN .01054 .00728				
		25 NO NO NO	RUN NO. 1058/ 0	FBN/L =	1.78							
			Y 200.770	2 800.820	CN 11145	CLM 03439	CY .04230	CYN . 01525				
			200.410	998.520	12187	02923 02849	.0503 <b>8</b>	.00908				
		SE NO	RUN NO. 1069/ 0	RN/L =	1.78							
			Y 400.070 399.510	2 601.310 798.820	CN 10775 11006	CLM 03130 03026	CY .05108 .05075	CYN .00631 .00646				
			399.280	1000.800	10346	03031	+0£+0°	S7700.				

ln / f

PAGE 541	(RTJH80) (3, JUL 75 )	PARAMETRIC DATA	- 4.510 PTOTL - 28.900 000 BETA5.000 20.000 DBETA000 000 PCHMB - 1500.000			(RTJ481) (31 JUL 75 )	PARAMETRIC DATA	* 4.510 PTOTL * 28.900 * .000 BETA * -5.000 * -20.000 OBETA * -5.000 000 PCH*B * 1500.000		<b></b>		C = M		~ m m
			MACH ALPHA DALPHA X		CYN . 00748			MACH ALPHA DALPHA X		CYN .01543		CYN .02027 .01541		.00737 .00873
	FROM 09T10				. 03860	FROM 09110				CY . 06034 . 06534		. 05264 . 05568 . 05508		CY .0820 <b>6</b> .07626
	1A13, SABISBINITH PLUNES SEPARATING FROM OBTIO				CLN 03256	IAI3,SABISBINITH PLUMES SEPARATING FROM 09110				CLM 03363 02165		CLM 03848 02627 02047		CLM 02396 02461 02532
	TH PLUMES			1.76	CN 09852	TH PLUMES			£ :	CN 11246 1284	<u>*</u>	CN 09474 12371 12579	<u></u>	CN 12077 11989 11012
<b>*</b>	3,598(58)41		1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	PN/L -	799.290	3,548(58)WI		1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS	FN/L .	2 797.900 1001.800	FBV/L =	2 600.290 799.710 1002.400	- J/NJ	2 598.300 799.400 1000.800
IAI3 SOURCE DATA	¥.		-	RUN NO. 1075/ 0	¥ 801.000	IAI			RUN NO. 11107 0	7 .885 .315	RUN NO. 1112/ 0	7 201.950 201.940 200.930	RUN NO. 11137 0	γ 400.380 399.190 398.240
1413		DATA	S YHG	2 2			DATA	S ZHBP	2		2		3	
DATE 02 AUG 75		REFERENCE	- 2690,0000 SQ.FT - 1290,3000 INCH - 1290,3000 INCH E - 0100				REFERENCE	- 2690.0000 SQ.FT - 1290.3000 INCHE - 1290.3000 INCHE						
DATE			SPEF LREF BREF SCALE					SPEF LREF BPEF SCALE						

ORIGINAL PAGE IS

. 30**943** 

CY .06833

CLM -.02733

CN -. 10527

2 799.150

Y 800.330

RUN ND. 1082/ 0

 $n_{I(j)}$ 

n 15

(RTJ482) ( 31 JUL 75 )

# IA13,898(58) WITH PLUMES SEPARATING FROM 09710

### PARAMETRIC DATA

#### 28.900 -5.000 -10.000 OBE TA PCHMB PTOTL BETA 4.510 .000 -20.000 MACH -ALPHA -DALPHA -. 1167.0000 IN. XS . 0000 IN. YS . 400.0000 IN. ZS XHRPP YHRPP ZHRP REFERENCE DATA

## RN/L . 1.75 RUN NO. 1111/ 0

CYN .01599 .01234		CYN .01720 .01012
CY .08217 .08124		CY .08325 .08555
CLM 02904 01569		CLH 02978 01500
CN 10862 12759	1,76	CN 11293 12168
2 800.050 1001.900	RN/L .	2 799.500 1001.700
۲ ۲۰۳۰ – 746 –	RUN NO. 1122/ 0	7 201.790 201.120

#### 1.78 RN/L RUN NO. 1123/ 0

**201.790** 201.120

CYN .01207 .00957
CY .0965& .08668
CLM 01627 01832
CN 12950 11120
2 799.800 999.740
401.140 397.720

#### 1.76 PN'L I RUN NO. 1083/ 0

#### CYN .01074 CY .0**9406** CLM -. 02093 CN -. 10552 *z* 799.830 799.900

1413, SRB (SB) HITH PLUNES SEPARATING FROM 09710

## (RTJ483) (31 JUL 75

### PARAMETRIC DATA

	28.900 -5.000 -20.000
	ชา เคอ
¥ ¥ 0	FTOTL BETA DBETA PCHMB
PARAMETRIC DATA	4.510 .000 -20.000
	MACH ALPHA BOALPHA *
	SI U.S.
	zzz
	XXFRP = 1167,6000 IN. XS XYFRP = .00000 IN. YG ZYFRP = .400.0000 IN. ZS
<b>∠</b>	XOFFP YHRP ZHRP
REFERENCE DATA	2600.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES .0100
	 w
	SCALE

¢		. 0120
		CY 13807 1344
		CLM 01783 00413
	r.1	CN 10289 11548
	FBV/L . I.	2 801.260 1003.900
	RUN NO. 1125/ 0	7 200.190 200.440
0010		

.01203

#### Ŀ. PA/L • RUN NO. 1124/ 0

Z C	01440	0+100.
Շ	.13705	14851
ž	01 73	00282
ž	10098	11830
7	797.800	997.820
>	400.820	400.580

## OTTO HORY ONLY AND SHALL HE HILLIAN

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(MATURE)

A  XHGP = 1167.0000 IN. XS  YHRP = .0000 IN. YS ZHRP = .0000 IN. YS	יאוס בסטי פעוועט ארואטאן זיים אוואס בענט ספווס	IN. XS IN. YS IN. YS	
-	1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	X X X 1167.0000 IN. X 5 Y 1167.0000 IN. Y 5 Y 1167.0000 IN. Y 5 Y 1167.0000 IN. Y 5 Y 1167.0000 IN. Y 5 Y 1167.0000 IN. Y 5 Y 1167.0000 IN. Y 5 Y 1167.0000 IN. Y 5 Y 1167.0000 IN. Y 5 Y 1167.0000 IN. Y 5 Y 1167.0000 IN. X 5 Y 1167.0000 IN. X 5 Y 1167.00000 IN.	
REFERENCE DATA 0000 SQ.FT. XHRP = 3000 INCHES YHRP = 0100			7

## IAIS ISOLATED EXTERNAL TANK (TIO)

### (RTJ500) ( 31 JUL 75 )

C'N . 00113

CY . 14963

CLM -. 00944

CN - . 10407

Z 801.750

7 799.880

RUN NO. 1090/ 0 RN/L = 1,77

SPEF . LPEF . BPREF . SCALE .

PARAMETRIC DATA	HACH • 4.530 PTOTAL • 110.000 BETA • .000
	XHRP = 1403.0000 IN. XT YHRP = .0000 IN. YT ZHRP = 400.0000 IN. ZT
REFERENCE DATA	94EF - 2690.0000 50.FT. XM LREF - 1290.3000 INCHES TH BREF - 1290.3000 INCHES ZH SCALE0100

2	295/0	- 1/2E	9.30 9.00				
	AL PHA	S	r.	Շ	CYN	85	5
	-39.994	85842	14360	00133	·00029	00007	- X
	-29.915	-, 56444	10946	-,00060	00024	+00000	1064
	-19.84G	31537	07924	00314	00014	00001	₹860·
1.530	-14.984	21724	08239	00021	00023	00000	.03598
	176.6-	13149	04305	00030	00018	10000.	.0935
	-4.990	05848	02271	00021	61000	€0000.	.0912
	610.	.00103	.00073	E+000'-	00020	.00003	.0883
	4.999	. 06060	. 02355	00023	00027	<b>₹0000</b> .	.0908
	686.6	.13163	. 04 321	00088	00047	.00005	.0932

IAI3 ISOLATED EXTERNAL TANK (T10)

(RTJ501) ( 31 JUL 73 )

PTOTAL - 110.000 PARAMETRIC DATA 4.530 5.000 • • MACH - 1403.0000 IN. XT - 0000 IN. YT - 400.0000 IN. ZT REFERENCE DATA SPEF = 2690.0000 90.FT. LRF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = 0.0100

 RUM ND.
 283.0
 RN/L =
 6.59

 MACH
 ALPHA
 CLM
 CLM
 CV
 CVN
 CBL

 4,530
 -39.982
 -,185769
 -,14296
 -,11591
 -,01937
 -,00016

 4,530
 -29.883
 -,51767
 -,10913
 -,01937
 -,00016

 4,530
 -19.996
 -,21896
 -,018070
 -,02010
 -,0001

 4,530
 -15.996
 -,13306
 -,04236
 -,06943
 -,0200
 -,00001

 4,530
 -4.986
 -,06101
 -,02331
 -,06193
 -,02319
 -,00001

 4,530
 -4.986
 -,06101
 -,02531
 -,06193
 -,02319
 -,00001

 4,530
 -,992
 -,13406
 -,06231
 -,06193
 -,02319
 -,00001

 4,530
 -,996
 -,06101
 -,02633
 -,02319
 -,00001

 4,530
 -,996
 -,06101
 -,02633
 -,02359
 -,00001

 4,530
 -,996
 -,06107
 -,02633
 -,02296
 -

CA...11311 .10656 .09816 .09549 .09350 .09203 .09004

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h , (4

## IAI3 ISOLATED ORBITER (09)

### (RTJ502) ( 31 JUL 75 )

### PARAMETPIC DATA

HACH = 4.510 PTOTAL = 80.000 BETA = .000 ELEVTP = -40.000 ATLRON = .000

¥.78	
• 1/xe	
291/0	
PUN NO.	

SREF = 2690.0000 \$0.FF. XYBP = 1789.8000 IN, XO LREF = 1290.3000 INCHES YYBP = .0000 IN, YO BREF = 1290.3000 INCHES ZYBP = 4u0.0000 IN, ZO SCALE = .0100

REFERENCE DATA

¥0 <b>X</b>	ALPHA	8	<b>1</b>	Շ	S, S	<b>6</b> 5	ర
4.520	-10.694	32948	00080	00482	.00030	.0000	. 14613
4.520	-10.000	32151	-,00092	00317	12000.	.00083	18441.
4.520	-9.000	29814	00126	00278	.00032	06000.	. 13992
4.520	- <b>B</b> .000	27728	00132	00273	.00031	06000.	.13700
4.520	-7.000	-,25518	00133	00258	£1000.	.00082	.13378
4.520	-6.000	23512	00117	00239	£0000.	92000.	. 13046
4.520	-5.000	21597	00069	-,00233	00001	.00072	. 12671
4.520	-4.000	19425	00031	00233	00018	.00057	. 12279
4.520	-3.000	17208	60000	00217	00013	.00061	.11877
4.520	-2.000	14562	12000	03239	+0000	.00062	.11340
4.520	-1.000	12528	50020	00233	00003	.00060	1,0947
4.520	000.	10339	60014	00216	+10001+	.00053	.10651
4.520	1.000	07928	+1000	00172	00014	64000.	.10334
4.520	2.200	-,05656	10000.	00159	£1000.	.00065	. 10105
4.520	3.000	03388	.00022	00168	90000.	.00057	8+860'
4.580	4.000	01103	64000	00140	<b>\$0000</b> .	.00057	+,3560.
4.520	5.000	.01287	.00065	00137	00003	.00050	16260.
4.520	6.000	.03720	62000.	00140	-,00001	7+000.	01680.
4.520	10.118	.13288	.00300	00211	.00008	.00035	.08151
4.520	11.000	15977	.00356	₹100	-,00004.	¥£000.	.08012
4.520	12.000	.18717	60400.	00132	0000 <b>8</b>	15000.	.27855
4.520	13.000	.21568	.00457	£100	+1000	.00028	¥1770.
4.520	14.000	.24537	66400.	00! 32	0001 <b>3</b>	.00023	17570.
4.520	000 -	.27535	.00545	00136	61000'-	8:000.	.07445
4.520	0, 71	.30556	.00593	00140	00016	61000.	.07306
4.520	17.000	.33713	. 00643	00142	00023	61000.	87170.
4.520	18.000	.36949	.00692	00142	00023	.00020	.07087
4.520	19.000	40259	. 00729	00138	00031	.00017	.07010
4.520	20.000	84354	.00777	00137	00033	71000.	. 05942
4.520	21.000	.47073	.00837	00136	00035	.00016	.05877
4.520	22.000	.50636	66800.	00131	00040	.00013	.06774
4.520	23.000	<b>የ</b> ተያናያ	. 00965	00128	00042	91000	.06674
4.520	24.000	.57804	.01030	₹100	7,000	81000.	. 08280
4.520	25.000	.61434	16010.	00128	£+000	<b>1000</b> .	62490
4.520	26.000	.65157	.01146	00139	00041	¥1000.	.06391
£.520	26.747	.67838	.01180	00140	04000	£1000	.06351

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REFERENCE DATA

(RTJ503) (31 JUL 75 )

PARAMETRIC DATA

## IAIS ISOLATED ORBITER (08)

	. COO ELEVTR .		
		AILRON	
1089.8000 IN. XO	YHRP0000 IN. YO	400.0000 IN. ZO	
• &	e e	• œ	
	LREF = 1280.3000 ; NCHES YHR		.0100
• کا	• •	# £3	SCALE -
95	5	8	S

SQ.FT, XHRP ;NCHES YHRP [NCHES ZHRP	1088	.6000 IN. YO .0000 IN. YO				MACH BETA BAILRON B	0000.	PTOTAL -
RUN NO.	. 293/ 0	FRV/L	£.80					
HACH	AL PHA	8	ਜੂ ਜੂ	Շ	C	<b>8</b> 5	క	
4.520	-10.791	22428	02200	00398	. 00000	.00039	, 10272	
4.520	-10.000	21362	02195	00313	<b>-</b> .0000 <b>8</b>	62000.	¥0101.	
4.520	-9.000	19618	02135	00305	60000	.00039	12660.	
4.520	-8.000	17916	02056	00301	00011	.00039	74760.	
4.520	-7.000	16295	01993	00289	00014	04000.	.09512	
4.520	-6.000	-, 14729	01909	00277	00016	.00038	.09491	
4.520	-5.000	13060	01814	00268	00019	.00035	.09303	
4.520	-4.000	11200	01730	00250	00019	.00032	₩8060.	
4.520	-3.000	09254	01661	00255	00019	52000.	.03880	
4.520	-2.000	07302	01608	00247	00019	.00029	96980.	
4.520	-1.000	05304	01582	-, 00242	00018	.00027	.06503	
4.520	000.	03265	01519	00235	00318	. 60028	.08327	
4.520	1.000	01160	01482	00232	00017	.00028	.08171	
4.520	2.000	.00972	01451	00231	00015	.00025	.08025	
4.520	3.000	.03145	01429	00226	00016	.0075	0.07890	
4.520	4.000	.05378	01415	00215	00018	.00026	.07753	
4.520	5.000	.0770	01403	00195	00022	. 00020	.07585	
4.520	5.722	.09389	01397	÷6100.÷	00021	.00015	.07468	
4.520	10.044	. 19505	01225	00214	00027	.00015	.06389	
4.520	11.000	. 22729	01277	30132	00040	. 0001	.06455	
4.520	12.000	.25865	01359	00143	00039	01000.	.07015	
4.520	13.000	. 28985	01393	00141	00042	. 0001	.07095	
4.520	14.000	31978	01364	00135	-,00045	60000.	.05558	
4.520	15.000	.35082	01368	00140	,0₫04€	11000.	.06465	
4.520	16.000	. 38390	01419	00150	0004B	+1000.	. 06545	
4.520	17.000	<b>≯</b> 681 <b>≯</b> .	01476	20155	00046	€1000·	.06643	
4.520	18.000	. 45455	01527	00158	00048	.00015	.05570	
4.520	19.000	70164.	-,01556	00163	6+000	£1000.	.06752	
4.520	20.000	.53007	01685	-,00151	00053	.00013	07040	
4.520	21.000	.56980	01759	00151	00055	¥1000.	44570.	
4.520	22.000	.60835	01815	00152	00055	71000.	.07285	
4.520	23.000	.64821	01875	00147	00060	.00020	.07329	
4.520	24.000	.68978	33510°-	##100 -	00051	. 00020	.07393	
4.520	25.000	.73119	02019	00155	~.0005B	.00000	.07431	
4.520	26.000	.77358	~.02100	00166	00055	.00021	.07487	
4.520	26.62	. 79840	02151	- 00168	-,00055	. 0002 <del>4</del>	11570.	

RCE DATA							<b>∀</b> o.	946 30V
[14]		ISOLATED CREITER (09)	â			(RTJ504)	15.	JL 75 )
						PARAMETRIC	DATA	
1089.8600	ž				MACH	5.51.0	PTOTAL .	80.000
0.00					3	000.01		3
400.000	į							
0 /562	FBN/L •	. 90						
PHA	3	<b>5</b>	5	CX	-C81	5		
B-7.0	23988	01803	00315	<b>9</b> →000·	.00380	10561		
0.00.0	-,23017	01816	00231	.00028	.00368	27501.		
9.000	- 21152	01775	00gg	12000	00349	1080.		
9.000	17630	63/10:-	07218	80000	.00321	00860.		
000.6	18004	-, 01598	0020	.00000	.00310	.09641		
3,000	14257	01508	₹6100	00007	.00298	<b>*0</b> +60.		
F. 000	10381	01442	18.00	00012	. 00292	. 09152		
3.000	10454	01352	00172	00017	.00292	.08930		
2.000	08519	01293	00167	00023	. 30289	.08729		
1.000	05516	01252	00162	00030	.00282	.08521		
000.	04473	01211	00153	00037	.00280	.08329		
1.000	02374	-,01169	00143	00045	.00282	.08147		
2.000	-,00253	01132	00134	00051	.00286	.07961		
3.000	.01880	66010'-	00122	00059	.00293	¥1840.		
4.000	.04083	01071	00100	69000	.00303	.07642		
5.000	.06331	01040	00072	00082	.00310	74470.		
5.823	.08213	01017	00066	00089	51500.	952.0		
0.059	.17767	-,00758	00128	03118	.00387	.06103		
1.000	.20819	00766	17000·-	00139	90400.	24100.		
2.000 0.000	.23731	00781	00043	97100	BU + 00 .	67.740		
3.000	25/43.	0.800	- 00032	00171	62+00	.06700		
5.000	.32970	00811	00029	30184	.00508	.06654		
6,000	.36168	+1800	00028	₹6100·-	.00535	.0662₹		
7.000	.39418	-, 10909	00022	00206	.00562	.06543		
8.000	.42728	00775	<b>₹1000.</b> -	00219	.00599	.05179		
9.000	.46383	00909	+1000'-	00232	.00619	.06311		
000.0	.50045	00843	+1000	002**	.00653	.06543		
000'1	.53713	00857	0001 <b>6</b>	00256	.00687	. 05505		
.s. 000	.57495	00867	<b>≯</b> 1000 ′ −	00269	15700.	. 06602		
3.000	.61344	00882	~,00012	00282	.00756	. 05500		
₩.000	.65131	86800'-	00007	00293	.00787	.06588		
5.000	.69060	-, 0092 <b>8</b>	00018	00301	91900.	.06597		
900.90	.73111	0095 <b>6</b>	00029	00311	.00852	. 05519		
7.000	.77139	01005	00035	00321	.00893	.066		

4.000 -9.000 -9.000 -9.000 -9.000 -9.000 -1.000

IAIS SOURCE DATA

DATE 02 AUG 75

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₹ 8

XMRP YMRP ZMRP

2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES

SREF - CLREF BREF - SCALE -

REFERENCE DATA

1A13 SOURCE DATA

DATE 02 AUG 75

n, 6

(RTJ505) (31 JUL 75 )

### IAIS ISOLATED ORBITER (09)

	000.	
DATA	4.510 PTOTAL .000 ELEVTR	
ARAMETRIC DATA	000°.	
<b>Q.</b>		
	MACH BETA A	
	XYGG = 1089.6000 IN. XO YYGG = .0000 IN. XO ZYGG = +00.0000 IN. ZO	
	• • •	
₹	ARMY YMRP ZMRP	
REFERENCE DATA	2690.0000 80.FT. XMM 1290.3000 INCHES YMM 1290.3000 INCHES ZMM	0010.
		•
	29.65 C.P.E.F.	SCALE

		_	_	_	_		_	_		_	_	_			_	_	_	_				_		_						_			_	_		
5	. 10382	. 10129	. 09918	84760.	<b>*1960</b> .	. 09476	. 09259	±2060·	.08796	. 08584	.08357	. 28168	.07994	.07816	.07639	107464	.07268	.07110	. 05846	.05882	.062₹	.06423	1 OE 344	.05257	. 06205	.0618	.06160	**190°	.06110	.06068	.06930	.0000	.05988	.05959	.05920	
ಕ್ಷ	<b>BE</b> 000.	.00039	.00039	04000.	04000.	.00037	.00033	.00030	.00028	.00027	. 000 <b>26</b>	٠2000.	.000S4	.00023	.000	.00021	. 00017	<b>\$1000</b> .	01000.	80000.	.0000	.0000	.0000	40000.	. 00005	90000.	.00008	+0000	<b>+0000</b> .	<b>\$0000</b> .	€0000.	.0000	. 00007	80000	.0000	
Z.	00010	00025	0002B	0002B	00031	00033	00035	00039	00035	00036	00038	00035	00034	00032	00033	00035	00038	00073	00037	00035	00033	00036	00038	00040	000%	**DOO	00047	00047	00047	6+000	00050	00054	00054	00051	00047	
5	00270	- 001 <b>0</b>	00177	00171	00159	00149	00137	-,00129	00125	.00118	00116	00114	00105	00103	00100	-,00088	00075	00087	00108	00118	00129	00125	00122	00124	00123	00126	00123	₹100. <del>-</del>	00127	00124	00126	00119	00117	00130	00141	
SC	01887	0:883	01831	01772	01705	01622	01524	01435	01352	01290	01220	01163	01108	01055	+0010	00957	+1600	00681	00590	00571	00581	00581	00559	00539	00526	00516	00511	00514	00509	00497	00488	00486	00492	00508	00524	
ક	23765	22781	20938	19195	17508	-,15919	-, 14243	12437	10545	08640	06678	04681	02635	00577	.01502	.03628	.05939	.07683	.17585	.20123	. 23063	.26016	. 28962	.32010	.35184	18485.	.41825	4554	.48788	. 52374	. 56073	. 59989	.63853	.67783	11717.	
ALPHA	-10.715	-10.000	-9.000	-8.000	-7.000	-6.000	-3.000	-4.000	-3.700	-2.000	-1.000	000.	000.1	2.000	3.000	4.000	3.000	5.837	10.119	11.000	12.000	13.000	14.000	15.000	16.000	17.000	18.000	19.000	20.000	21.000	22.000	23.000	<b>₹</b> .000	25.000	28.000	
MACH	4.520	4.520	4.520	4.520	4.520	4.520	•.520	.520	. 520	. 520	. 520	. 520	. 520	. 520	4.520	4.520	4.520	. 520	. 520	.520	. 520	. 520	. 520	. 520	. 520	. 520	. 520	. 520	250	. 520	4.520	4.520	• . 520	. 520	.520	

(RTJ506) (31 JUL 75.)

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### 1A13 ISOLATED ORBITER (C9)

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DATA	PTOTAL -
PARAMETRIC DATA	0.00 0.00 0.000
	HACH BETA •
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	1089.6000 IN. XO .0000 IN. YO .000.0000 IN. ZO
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REFERENCE DATA	2680.0000 50.FT. 1290.3000 INCHES 1290.3000 INCHES
	SREF LREF BREF SCALE

	CY		0892300068			
4.78	2	01813	01832	01792	01748	-,01699
RN/L .	ક	24687	23676	21779	-, 19988	18094
599/ 0	ALPHA	-10.764	-10.000	-9.000	-8.000	-7.000
RUN NO.	<b>MACH</b>	4.520	4.520	4.520	4.520	12.50

•			10093							•			·	•			•						·				-	•	•	•	•	•				5965
95	00485	.00468	94400	₹200.	10,00.	.00369	.00324	.00273	.00227	.00189	.00153	71100.	.00083	67000.	.00017	00016	00045	03072	00206	00243	00282	00309	00324	00344	0035	00336	- 00+1	0043	£ 100 €	0047	-,00486	0050	00511	0052	7000 · -	-,00558
35	00050	00068	00087	00104	00117	00133	00153	00171	00181	00189	00198	00212	00227	00240	00256	00257	00283	-,00292	00371	00383	00386	-,00399	00419	00440	00450	00482	00503	00524	00547	00559	00590	00510	-,00525	00631	00633	00635
ζ	-, 09055	08923	08726	08519	08323	08083	07827	07570	07327	07092	06850	06636	08425	08239	06075	05924	05746	05608	05647	05537	05490	94450	05383	05312	05240	05162	0.079	05008	04922	04837	67640	9.04648	04556	04478	04403	30.1
<b>1</b>	01813	01832	01792	01748	-,01698	01530	01550	01472	01407	01350	01296	01243	01182	01145	01109	01064	91020	66600	-,00630	00512	00576	00562	00575	00575	00560	00546	00539	00535	00532	00535	++600	-,00558	00577	00602	00827	- 00560
8	7.887	23676	21779	19988	+8084	16320	14531	12556	10700	08716	06717	04712	02831	00524	.01618	.03783	.05011	.08073	.17061	.20018	.22810	.25767	.28871	.31968	.35138	.38430	<b>39114</b>	.45206	.48753	.52409	.56240	.60118	63975	€1905	.71923	74759
AH PHA	10 754	000 01-	000 6-	000	-7.000	-6.000	-5.000	-4,000	-3.000	-2.000	-1.000	000	000.1	9.000	0.5.g	4.000	5.000	5.906	10.052	11.000	12.000	13.000	14.000	15.000	18.000	17.000	18.000	19.000	20.000	21.000	22.000	23.000	₹.000	25.000	28.000	200
2	200	200	200	200.1	1000	200	520	100		4.520	4.520	15.00	£.320	1.720	1,520	t. 520	4.520	4.520	4.520	4.520	4.520	4.520	4.520	520	120	£.520	520	14.520	4.520	4.520	4.520	. 520	4.520	4.520	4.520	

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(RTJ507) ( 31 JUL 75 )

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### IAI3 ISOLATED ORBITER (09)

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4.510 10.000		ర	91801.	. 10692	.10468	.10258	.10059	. 09839	96260'	14860.	₹6060.	.08867	. 08542	.08418	.08205	.08005	.07824	.07525	.07431	.07263	.06534	.06414	. 26426	.06450	.06396	.06326	.06286	. 05215	. 06172	.06157	.06162	.06177	.08182	.06189	.06179	.06178	₹6190.	17150.	.05:70
MACH BETA =		eg G	. 3693	.00674	8+900.	.00519	.00586	. P200	62400'	.00407	.00338	.00269	+0200°	64100.	56000.	£4000.	00011	00064	00116	00167	00362	00414	00476	00530	00585	00644	00588	00731	00772	00813	00851	00885	00921	00960	00998	0:039	01078	01112	01119
		C	0002 <b>6</b>	00066	00107	00144	00175	00208	co2+æ	00278	00305	00330	00353	00382	00410	00437	00456	00469	00484	00508	00587	00725	007.+4	00770	00814	00862	00302	00941	00978	+1010	01049	01081	01110	01139	01160	01184	01201	01208	01238
		Շ	18382	18022	17582	17144	16721	16273	15801	-, 15339	1490n	14472	14063	13672	13320	12980	1257	12386	12101	11810	11712	11538	11432	11297	11113	10897	10717	10540	10397	10259	10108	-, 09963	08305	09652	09478	09322	09188	99920	-, 08982
	۴.80	Ę	01685	01678	01664	01843	01619	01587	01548	01534	01460	01419	0:381	01351	01316	01275	0123	01185	01145	01098	00774	00739	00703	00671	0062 <b>6</b>	00580	00560	00543	00538	00542	00553	00568	00384	00802	00621	00640	00671	00703	<b>≯</b> 1∠00`-
1089.6000 IN. XO .0000 IN. YO 400.0000 IN. ZO	RN/L	S	27040	25281	23168	21118	19136	17191	-,15218	13180	11120	Ca078	07005	04873	02691	00478	.01734	.03970	. 06279	.08578	.17750	. 20586	. 23430	.26317	. 29202	. 32111	.35194	.38417	.41820	.45337	91684.	52558	.56326	.80212	.63989	.67939	.72090	. 75877	.76993
	30 1 0	ALP: A	-10.805	-10.000	-9.000	-8.000	-7.000	-6.000	-5.000	-4.000	-3.000	-2.000	-1.000	000.	1.000	€.000	3.000	4.000	5.000	6.000	10.112	11.000	12.000	13.000	14.000	15.000	18.000	17.000	18.000	19.000	20.000	21.000	22.000	23.000	000 ₹	200° 500	25.000	27.000	755.75
SAEF = 2690.0000 SQ.FT. XHRP LREF = 1290.3000 INCHES YHRP BREF = 1290.3000 INCHES ZHRP SCALE =0100	RUN NO.	HZCH	4.520	4.520	4.520	30.3	4.520	4.520	4.520	4.520	025.4	4.520	4.520	025.4	4.520	4.520	4.520	4.520	4.520	026.3	D29.+	14.520	029.4	6.520	4.520	4.520	0000.4	4.520	655.4	4.520	4.520	4.520	056.4	0.520	₩.520	655.4	6.520	0000° 3	080.3

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(A) 1 SOLATED ORBITER WITH EXTERNAL TANK (09T10)

PARAMETRIC DATA

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(RTJ508)

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# IAIS ISOLATED ORBITER HITH EXTERNAL TANKIOSTIO

28.900 .000

4.510 PTOTAL = 5.000 ELEVTR = .000

(RTJ509) ( 31 JUL 75 )

PARAMETRIC DATA

MACH BETA . SREF = 2880,0000 \$0.FT, XMRP = 1032,0000 IN, XT EREF = 1290,3000 INCHES YMRP = .0000 IN, YT BREF = 1290,3000 INCHES ZMRP = .447,3000 IN, ZT SCALE = .0100 REFERENCE DATA

PUN NO. 1134/ 0 RN/L = 1,75

<b>¥</b> CH	ALPHA	8	KT)	Շ	CAN	<b></b>	CA
4.510	-10.000	30754	96101	16843	.05435	01697	. 22930
4.510	-9,000	28471	75120.	16654	.05351	01644	. 22528
4,010	-8.000	26088	27160.	-, 16423	.05249	01825	. 22023
010.3	-7.000	23490	. 08471	18122	.05104	01622	71415.
5.5.0	-6.030	20804	.07571	15812	.04950	01627	. 20865
4.510	-5.000	18117	.06823	15463	77770.	01632	.20356
4,310	-4.000	01101	.05969	15159	.04633	01624	. 19813
4.510	-3.000	12823	16150.	E+8+1	18110.	01836	. 19252
4.510	-2.000	10288	. 04456	14540	.04341	01588	. 18757
4.510	-1.000	07828	.03758	14181	.04165	01553	18581
4.510	.000	05425	.03067	13834	77650.	01543	.17855
4.510	1.000	02997	. 02361	13477	.03804	01519	.17398
4.510	€.000	00588	.01655	13169	.03635	01483	.17055
4.510	3.000	.01858	.00892	12852	.03455	01432	.16716
4.510	£.000	. 57431	17100.	12604	.03309	0!397	. 16435
4.510	5.000	. 05769	-,00593	12357	.03189	01378	16191
4.510	11.000	-21162	04563	11818	. 02628	01497	15871
4.510	12.000	. 23677	05281	11696	.02539	01510	. 14627
4.510	13.000	. 261 <b>8</b> 4	06014	11619	.02475	01528	. 14385
4.510	14.000	. 28781	06827	11581	34450.	01534	82141.
4.510	15.000	.31486	07668	11580	. 0240S	01531	- 13934
4.510	18.000	34201	08496	11577	.02351	01515	.13769
4.510	17.000	37142	11460	11578	.02278	16+10	.13654
4.510	18.000	.40152	10349	11536	¥7150.	01471	. 13540
4.510	19.000	.43157	11244	11459	. 02032	01457	. 13433
4.510	20.000	. 46262	12196	11408	61610.	01450	133₹
. uio	21.000	#198#·	13228	11397	.0185¥	01499	. 13161
₹.510	22.000	. 52S54	+7841	11333	¥7710.	01539	. 12989
4.510	23.000	.56594	15674	11352	.01757	01543	. 12838
4.510	000 · 💫	.60307	16997	11481	. 01842	01635	.12695
4.510	3.000	.64221	18451	11724	S+020.	01697	. 12545
4.510	26.000	.68143	19956	11869	.02188	01738	. 12465

DATE SE AUG 75

PAGE 553	INSTERISBIH/OPLUMES (RTJ510) (31 JJL 75 )	PARAMETRIC DATA	MACH = 4.530 PTOTAL = 110.000 BETA = -10.000 PCH#BR = .000		M CY CYN	0820 09165 .00333	.00463	_	.07036	62290	+0650.	.05659	9159 .05806 .00398	52£00. 06389	0275 .07162 .00169	
	1A13 ISOLATED SOLID ROCKET BOUSTERISBIH/OPLUMES			5.62	5	2853800820	20630 00474		1029600473	0521500476	•	0007100071	92100. 02716	.05080 .00311	.10262 .00275	
IA13 SOUPCE DATA	IAI3 ISOLATED		. 400.0000 IN. XS	753/ 0 RN/L -	MACH ALPHA	'		4.530 -19.968	4.530 -14.978	4.530 ~9.990		4.530 .007	4.530 5.005	4.530 10.001		
DATE 02 AUG 75 IA13 SOU		REFERENCE DATA	SREF • 2690.0000 SQ.FT. XHRP • LREF • 1290.3000 INCHES YHRP • BREF • 1290.3000 INCHES ZHRP • SCALE • .0100	ACK NO.												

	110.000	000														
DATA	P:07AL = 1															
PARAMETRIC DATA	4.530	000.														
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	<b>K</b> CH	BE TA				25	.002	.0020	*100·	0100	.0007	₹000.	₹000°.	.000	.0002	0000
						5	00458	30365	00260	00170	00160	00062	0003	30011	00008	.00055
						G.M	00399	00320	00347	18500	1-500	77700	00068	.00321	.00463	.00%
					29.9	8	26699	20537	14897	09775	05625	02165	00090	.01935	.05301	. 09536
	SX	, YS			•	<	83	ß	<u>.</u>	8	88	8	હ	Š	8	93
	.z.		2 0		RN/L -	¥	8	9.	19.9	9.	9.6	6.3	. 00 <b>2</b>	<b>1</b> 0	6	14.993
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4		YHRP			<b>3 3</b> €											
ENCE DATA	2690 0000 SQ.FT.	INCHES	INCHES													
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4.	0.069	290.3	290.3	Ö												
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1413 ISOLATED SOLID ROCKET BOOSTERISBIN/OPLUMES

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(RTJ512)

110.000

PTOTAL -PCHMBR -

REFERENCE DATA

# PARAMETRIC DATA

4.530 5.000 MACH - 1167.0000 IN. XS - .0000 IN. YS - 400.0000 IN. ZS de 12. 2690,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES SREF -LREF -BREF -SCALE -

### - J.W 773/ 0 PEN NO.

.00084 -.00282 -.00366 -.00346 -.00221 -.00149 -.02276 -.02813 -.03258 -.05140 -.02481 -.02048 -.03528 -.03033 -.00046 .00246 .00388 CLM -.00299 -.00247 -.00356 -.00427 CN 28834 - 28834 - 1521 - 1521 - 20838 - 20948 - 209148 - 20918 - 20918 - 209818 -9.988 -9.988 -9.995 -00.4 -00.8 9.998 14.997 ALPHA -29.984 -24.955 -19.968 MACH 4.530 4.530 4,530 4,530 4,530 4,530 4,530 4,530 4,530

## IAI3 (SOLATED SOLID ROCKET BLOSTER(SB) W/OPLUMES

25 25 25 25 - 1167.0000 IN. X - 00000 IN. X 2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES LREF BREF SCALE 386

REFERENCE DATA

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(RTJ513)

000.011 PTOTAL -10.000 HACH BETA

### 0 783/ **3 3 3 3**

.00091 .00027 .00109 -.00454 -.00358 -.00201 CYN . 00139 18400.--.00275 -.00418 -.09933 -.09078 -.08152 -.05402 -.05606 -.06234 -.07070 -.05431 -.07241 -.00122 -.00133 -.00203 -.00278 -,00044 ,00146 ,00593 CLM -.00201 -.00238 -.15802 -.10805 -.06544 -.03002 -.00116 -.05742 .06074 CN -.27390 -.21333 ALPHA -29 981 -24 953 -19 972 -16 983 -4 890 -4 890 -6 603 10 003 14 999 MACH 4.530 4.530 4.530 4.530 4,530 4,530 4,530 4,530 4,530

S55 30 V	IA13 ISOLATED SOLID ROCKET BOOSTERISBIN/OPLUMES (RTJS14) ( 2) JUL 75 )	PARAMETRIC DATA	MACH = 4.530 PT0TAL 110.000 BETA = 20.000 PCH**000		מרו גג כאו	001002032600048	•	0.7771	•	15713	•	- 14808	•	•	.001171643100211	1A13 ISOLATED SOLID ROCKET BOOSTER(SB)H/OPLUMES (RTUSIS) ( 31 JUL 75 )	
	SOLATED SOLID ROCKE		.0000 IN. XS .0000 IN. YS .0000 IN. ZS	RN/L - 6.62	ALPHA CN	-29.88428230		-19.96517166		-9.98507924	-4.99503948	.00700289	5.002 .03455	9.999 .07444	14.985 .11803	ISOLATED SOLID ROCKE	
IAI3 SOURCE DATA	[413	4	XHRP = 1167.0000 IN. YHRP = .0000 IN. ZHRP = +00.0000 IN.	RUN NO. 793/ 0 F	HACH	•	•		-			4.530	4.530	4.530		1413	
DATE 02 AUG 75		REFERENCE DATA	SAEF = 2690.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	Œ													

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 HACH
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 CN
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 9.933
 .05977
 .00253
 .01176
 .00200

J. 55

803/

₹ 5

**58**.000.

PTOTAL -

4.510 -10.000

MACH BETA

X8 438

2690.0000 80.FT. 1290.3000 INCHES 1290.3000 INCHES

BREF .

ORIGINAL PAGE IS
OF POOR QUALITY

0ATE 02 AUG 75	27 OC	1A13 S	IAI3 SOURCE DATA	•						PAGE	3E 526
			[A13	3 ISOLATED	ISOLATED SOLID ROCKET BOOSTER(SB)H/OPLUMES	ET 8005TER(	SB1H/OPLUME:	v	(813516)	16) (31 .VL	J. 75 )
	REFERENCE DATA	<b>4</b>							PARAMETRIC	C DATA	
	į	9		XX M1 0000 581				MACH	4. E10	PTOTAL -	28.000
	1,290,3000 INCHES	X HES						BETA .	000	PCH#BR -	000
• •	1290,3000 INCHES	2 139	* 400 ·	52 'NI 0000'00'5	10						
	_	F. KO.	813/ 0	RN/L .	3.35						
			Ž	A PHA	Z	<b>1</b>	ç	CYN			
			4.520	-29.991	26575	00469	00487	.00253			
			4.520	-24.984	20545	00394	00389	.00200			
			4.520	-19.999	14882	004-7	00301	.00157			
			4.520	-14.992	09739	00527	00287	.001 <b>%</b>			
			4.520	-9.937	05558	00569	00178	16000.			
			4.520	-5.059	02211	00458	-,00079	.00037			
			4.520	-,053	03507	00057	65000.	0001 <b>0</b>			
			4.520	5.059	.0207	£6100.	-,00039	.00037			
			4.520	9.923	.05238	.00388	0:000.	.02030			
			4.520	14.999	98+60.	.00370	.00168	00001			
					TEN ATER ON IN BOOKET BOOSTERISBUM/OPLUMES	FT BOOSTER!	340 H0/H(85	gr)	(RT-5817)	_	31 JAL 78
	REFERENCE DA	DATA							PARAMETRIC DATA	C DATA	
• 585	2690.000C 50.FT.	<b>9</b>	1167.0000	Ž.	26				4.510		<b>58</b> .000
•	1290.3000 INCHES	4186	•	ž	ľ			B£1A •	S. 000	PCHER .	000
BREF .	1290.3000 INCHES	2743		400.0000 IN. 25	un.						
		<b>JEN</b> 160.	823/0	RN/L	0 · m						
			HACH	ALPHA	3	G.	Շ	Z C			
			4.520	-29.987	26897	00395	05113	98100			
			£.53	-24.98 <b>6</b>	20828	00311	04613	0135			
			1.520	-10.990	15167	91500'-	<b>18010.</b>	*/ DOD .			
			4.520	586.71-	1:085	0042 <b>0</b>	03000	. 00031			
			559	966.6-	100×0.	004B0	BCS-O-	100 -			
				290.1	65100	00109	02147	-,00273			
			1.520	9.00t	05550.	earon.	02368	08200			
			4.520	9.925	.05510	.00317	02833	00184			
			1 520	10.004	BLL60.	.00316	03162	++100			

DATE OZ AUG 76	1413 9	IAI3 SOURCE DATA							à	PAGE 557
		1413	I SOLATED	1A13 ISOLATED SOLID ROCKET BOOSTERISBIH/OPLUMES	T BOOSTERIS	SB) H/OPLUPE!	"	(RTJ518)	8) (31 JUL	UL 73 J
REFERENCE DATA	7							PARAMETRIC DATA	: DATA	
SAEF - 2690.0000 SQ.FT. LREF - 1290.3000 INCHES BREF - 1290.3000 INCHES SCALE0100	XIABP YIABP	1167.0	1167.0000 IN. XS .0000 IN. YS 400.0000 IN. ZS				MACH	4.510	PT0TAL - PCHPBR -	.000 .000
	₹.	633/ 0	BN/L -	9,48						
		HACH	A PHA	8	5	5	CYN			
		4.520	-29.989	27273	00297	09876	. 00113			
		4.530	\$6.4°	21285	00214	09012	.00055			
		4.520	-19.585	15738	00215	++180	.0000			
		4.520	-14.539	10728	00281	07219	00114			
		4.520	+66.6-	06482	00329	-, 06379	00264			
		4.320	-3.00¢	02973	+6200′-	05731	00382			
		4, 520	-,080	00144	00101	-,05384	E++00.			
		4,520	₹00₹	. 02692	.00111	05589	00424			
		4.520	9.955	.05997	00540	-,05259	00315			
		4.520	15.002	10249	.00251	07072	-,00200			
		IAI3		ISOLATED SOLID ROCKET BOOSTERISBIH/OPLUMES	ET BOOSTER(	58) H/OPLUME	s	(RTJ519)	~	3: JAL 75 1
REFERENCE DATA	47							PARAMETRIC DATA	DATA	
SREF = 2690.0000 SO.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100	2 448 2 448	1187.0	1187.0000 IN. XS .0000 IN. YS 460.0000 IN. ZS				MACH BETA	4.510 20.000	PTOTAL -	<b>38</b> .000
	PUN NO.	943 0	RN/L	3.46						
		HACH 4.520	ALPHA -29.994	CN 28021	CLM 00202	CY 20209	CYN 00083			

n iğ

. 00074 . 00101 . 00101 . 00201 . 00288 . 00280 . 00280 -.18932 -.17624 -.16552 -.15596 -.14654 -.14885 -.18447 -.15347 1.068 1.067 1.068 1.067 1.068 1.068 1.068 1.068 1.068 1.068 1.068  (RTJ520) ( 5: JUL 75 )

	CYN	. 00505	.00078	.00020	58000	.00186	.00288	.00296	B1800	**100.	. 00056
	Շ	. 08685	.08115	C7447	.05800	.06376	17750.	.05632	\$1650.	₩8590.	.07226
	٦.	0037B	00183	00079	00266	00386	03279	00016	.00295	******	E++00.
1.76	Š	- 26394	20535	14993	-, 09936	05729	02526	.00102	60820.	. 05638	€*860.
• 1/ <b>&amp;</b>	ALPHA	-30.034	-24.970	-19.994	-14.996	-10.067	-5.028	-, 129	5.038	₹96.6	15.008
0 /946	HACH	1.510	4.510	4.510	1.510	10.0	4.510	0.5.3	4.510	4.510	4.510
P. NO.											

RTJ521) (31 JUL 75 )	
IAI3 ISOLATED SOLID ROCKET BOOSTERISBIH/OPLUMES	

**28.900** 

PARAMETRIC DATA

DATA	PTOTAL - PCHEBR -													
PARAMETRIC	0000.													
	• •				Ł	e.	m	ŭ	ŧ	_	2	_	Z	<b>5</b> 0
	MACH			CYN	00	.000	000	9000	000	.000	000	.000	0008	031
				Շ	00738	00579	00452	61100	00485	00269	.00021	. 60035	-,00005	.001.22
				Ş	00183	00002	00112	00369	JO434	00300	E+000.	.00377	24500.	<b>₹600.</b>
			1.70	8	- 26894	20708	14825	C9609	05503	02307	00259	.01837	76840.	71160.
	1167.0000 IN. XS	•	BN/L •	F PH≽	0.050	7.887	. 99	£.897	0.063	5.03	08	5.032	8.959	J. 094
	.0000		_	•	7	Ņ	7	7	7	•				_
	1167.	3	956/ 0	404	5.510	5.50	4.510	4.510	6.510	4.510	4.510	4.510	4.510	4.510
	9 de 1		₹ 80.											
REFERENCE DATA	SO.FT.		_											
EFER	000	0100												
-	2000 . 0000 1290 . 3000	0010												
	• •	• •												
		SCALE												

1A13 1SOLATED SOLID ROCKET BOOSTER(SB)3/OPLUMES

5 ₹ 3

PA0E 559

PARAMETRIC DATA

28.900 PTOTAL PCHMBR 5.000

MACH BETA

₹ 8

XS 75 28

-.04795 -.04143 -.03535 -.03194 -.02108 -.02184 CY -. 03349 HACH.

.00015 -.00082 -.00215 -.00215 -.00370 -.00350

CLM --.50133 --.0034 --.0071 --.00271 --.00280 --.00338 .00338 CN 27260 - 21091 - 15231 - 10125 - 10553 - 102555 - 02555 - 02016 - 02506 - 05326 - 09326 ALPHA -30.032 -24.990 -19.993 -11.999 -10.051 -50.27 - 025 - 025 - 14.999 (RTJ523) ( 31 JUL 75

IAI3 ISOLATED SOLID ROCKET BOOSTER(SB) W/ OPLUMES

PARAMETRIC DATA

PT0TAL PCHHBR 4.510 10.000

29.900 .000

HACH BETA

**₹** ₹ 8

CLM -.00123 -.0072 -.00134 -.00187 -.00187 ..00312 ..03428 ..03428 CN - 27840 - 15978 - 15978 - 10938 - 1 ALPHA -50.051 -24.985 -19.997 -14.995 -10.067 -5.032 -.032 -.032 -.032 -.032 -.032 

-.00113 -.00184 -.00300 -.00500 -.00500 -.00500

CY - . 10080 - . 09159 - . 07190 - . 05745 - . 05745 - . 05350 - . 05065 - . 06065

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DATE DE AUG 75

IAIS BOURCE DATA

PEFERENCE DATA

. 1167.0000 IN. X XMRP VMRP ZMRP 2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES .0100

SREF ...
LREF ...
BREF ...
SCALE ...

REFERENCE DATA

- 1167.0000 IN. XS - .0000 IN. YS - 400.0000 IN. ZS

X 148 P SREF = 2890.0000 \$0.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100

 $n_{i,\{i\}_{r_i}}$ 

15 1 A 14

# TATE TSOLATED SOLID ROCKET ROSTER(SB) HZ OPLUMES

(3) JAL 75 (RTJ524)

### PARAMETRIC DATA

28.900 .000. PTOTAL PCHMBR 4.510 20.000 MACH BE TA

> 970/0 PEN NO.

1167.0000 IN. XS 00000 IN. YS 400.0000 IN. ZS

XH48° YH48° ZH89

REFERENCE DATA

-,00282 -,00280 -,00293 -,00317 -,00385 -,00395 -,00371 -,00359 -.17062 -.14895 -,14820 -,15417 -,16339 -.07749 -.20911 -. 19595 -, 18319 -.14814 .00008 .00104 .00128 .00128 .01233 .00050 .00168 .00234 CN -.27749 -.22024 -.04237 -.00524 .03258 .07165 -.11826 -.08294 -.16647 -5.041 -.038 8.009 9.953 15.001 -19,992 -14,995 -10,042 ALPHA -30.052 -24.988 HACH 4.510 10.00

TATE ISOLATED SOLID ROCKET BOOSTER(SB) W/ OPLUNES

PARAMETRIC DATA

K

(RTJ525) (31 JUL

28.900 .000 PT0TAL PCHER

4.510 20.000 MACH BE 7A

> . E FRVL. 0 /118 PEN NO.

- 1167.0000 IN. XS - .0000 IN. YS - 400.0000 IN. ZS

2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES

SREF -LREF -BREF -SCALE -

REFERENCE DATA

-.19065 -.17751 -.16631 -.15661 -.20350 -.00061 -.00016 -.00002 CLM -.00159 CN -.28876 -.23238 -.17834 -.12956 ALPHA
-30.050
-24.990
-14.994
-9.999 

CYN -.00251 -.00261 -.00280 -.00280

PAGE	(RTJ527) (31 JUL 7
	(RTJ527)
	IAI3 ISOLATED SOLID ROCKET BOOSTERISBIM/PLUMES
IA13 SOURCE DATA	[AI3
DATE 02 AUG 75	

<u>8</u> 6

	28.900													(31 34.75)		28.900
C DATA	PTOTAL PCHMBR														C DATA	PTOTAL .
PARAMETRIC DATA	4.510													(RTJ528)	PARAMETRIC DATA	5.5 000
	• •			004	775	333	¥	225	304	801	991	45	12900			
	HACH BETA		Š	.00	.00	00.	10.	.0.	+0600.	<u>-</u>	<u>-</u>	0.0	90			FKCH
			Շ	.05930	.05700	.05155	.04567	.04838	.05997	.0619₹	19690.	.08123	10960.	88) H/PLUMES		
			£	01779	02124	02178	02195	01894	01196	-,00658	00203	98000.	.00185	IAI3 ISOLATED BOLID ROCKET BOOSTER(88)W/PLUMES		
		1.75	3	15754	1.12341	09305	06722	05114	03778	01832	.00488	.03728	.08097	BOL ID ROCK		
	1167.0000 IN. XS .0000 IN. YS .00.0000 IN. 2S	PN/L =	ALPHA	-30.017	-24.985	-19.989	-14.898	-9.994	-5.039	035	5.000	9.934	.¥.987	OLATED		1167.0000 IN. XS
	0000	æ	₹	,	ĸ,	5-	-	Ÿ	ź,	•	E'	Gi	<b>≟</b>	51 Fi		.0000 IN.
	1167	0 /196	HACH	4.510	4.510	4.510	4.510	4.510	4.510	4.510	4.510	4.510	5 10 10 10 10 10 10 10 10 10 10 10 10 10	ĬĀ		. 1187.
<b>4</b>	X 1430 2 1430 2 1430	PEN NO.													⋖	X7489
REFERENCE DATA	SO.FT. INCHES INCHES	_													REFERENCE DATA	SQ.FT.
REFER	2690.0000 9 1290.3000 1 1290.3000 1														REFERE	2690.0000 S
	SCALE SCALE															SREF

#ACH NO. 9877 0 RN/L = 1.75

#ACH ALPHA CN CLM CY CYN

4.510 -30.018 -.15931 -.01810 -.01039 .00144

4.510 -24.996 -.12764 -.02030 -.01391 .00233

4.510 -19.993 -.10129 -.02068 -.00361 .30538

4.510 -9.993 -.01529 -.01863 -.00265

4.510 -9.999 -.01579 -.01863 -.00269

4.510 -5.042 -.03650 -.01269 .00299

4.510 -5.042 -.03650 -.01269 .00299

4.510 9.969 .04904 .00243 .00803 -.00694

4.510 14.997 .08607 .00133 .01173 .00029

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In 14

(RTJ529) (31 JJL 75 )

	000 °052.
D> TA	PTOTAL *
PARAMETRIC DATA	4.310 000.8
_	
	MACH BETA
	<b>5</b> 5.2
	ZZZ
	- 1167,0000 IN. XS - 0000 IN. YS - 400,0000 IN. ZS
	,
<	X1480 X1480 Z1480
REFERENCE DATA	SO.FT. INCHES
REFER	2690.0000 SQ.FT. 1290.3000 INCHES 1290.3000 INCHES

E.
_
RN/L •
_
_
2
<b>363</b>
ġ
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ž

SPEF • LREF • BREF • SCALE •

CYN	.00369	.00322	.00262	76000.	00159	00357	00225	-,00196	00162	00093
Շ	. 039+3	04973	03787	02759	01608	01268	01787	. O	-,02338	02234
S.	01240	01682	01413	01327	-,01349	01131	00564	.00165	.00125	.00035
3	19867	-, 15489	12637	09764	06977	04368	01400	.01655	8 : 0 10 .	.08231
Y PHA	-30.016	-24.992	-19.993	-14.998	-10.000	-13.044	1.034	€66.4	9.973	B\$6. <b>∗</b> 1
¥ÇH	4.510	510	211.3	4.510	4.310	4.510	6.6.3	010.7	0.0.7	4.510

## IAI3 190LATED SOLID ROCKET BOOSTER(58) W/PLUMES

	28.900 750.000
DATA	PTOTAL . PCHEBR .
PARAMETRIC DATA	10.000
	• •
	MACH BETA

( 87 JUL 18 ) (08807K)

### - 1167.0000 IN. XS - 0000 IN. YS - 400.0000 IN. ZS SPEF = 2990.0000 90.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = 0.0100

REFERENCE DATA

	CY 10030 08609
	CLM .005 <b>94</b> 00009
£.	CN 26851 21268
- 1/NB	ALPHA -30.023 -24.991
0 /666	4.510
RCN NO.	

#ACH	ALPHA	ક	r U	Շ	C.S.
4.510	-30.023	2685.	.0030	10030	.00553
4.510	-24.991	21268	60000 -	08609	. 00412
4.310	-19.995	1589*	00584	26070,-	6210v.
4.510	-14.993	11338	01128	-,05763	00226
4.510	-8.995	09118	01265	-,04901	00524
0.0.3	-5.0+0	05285	01105	04536	-,00588
4.510	055	02039	00822	04989	84400
4.510	4.997	.01700	. 00122	05705	00297
c r	0 041	4000	20000	08780	ELOG -
4.510	15.000	.08707	10000.	05785	00082
					•

IAI3 SOURCE DATA

DATE DE AUD 75

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### 1413 150LATED SOLIO ROCKET BOOSTER(58)H/PLUMES

PARAMETRIC DATA

28.900 750.000

PTOTAL -

4.510

MACH BETA

Ŗ 3 74 (RT-5531)

> - 1167.0000 IN. XS - .0500 IN. YS - 400.0000 IN. ZS REFERENCE DATA 2590,0000 SQ.FT. 1290,3000 INCHES 1290,3000 INCHES

SAEF ...

RUN NO. 1005/

-,00320 -,00597 -,00553 -,00266 -,00149 -,00302 CYN .00479 .00344 .0004**9** -.14343 -. 19275 -. 17687 -. 15999 -. 14682 -. 14052 -,15339 .00227 -.00453 -.00757 -.00623 -,00131 .00023 ALPHA -30.045 -24.994 -19.992 -16.597 -9.993 -0.052 -0.050 9.950 14.891 

### IAI3 ISQLATED SOLID ROCKET BOOSTER(SB)H/PLUMES

(RTJ532) (31 JAL PARAMETRIC DATA

þ

PT01AL = 28.900 PCHBR = 1500.000 4.510

MACH BE 7A

1.7 RUN NO. 1011/ 0

. 1167.0000 IN. 2

2690.0000 SQ.Ff. 1290.3000 INCHES 1290.3000 INCHES

SPEF = 6
LREF = 1
BREF = 1
SCALE

REFERENCE DATA

.00882 .00882 .01738 .01586 .01586 .01586 .01587 .01591 .05740 .05740 .05003 .05594 .05451 .07371 .08668 -.02338 -.02759 -.02720 -.02332 -.01238 -.00639 -.00139 -.04129 -.02157 -.00006 .02653 -.11**679** -.11717 -.09980 -.07880 3 ALMA -29.945 -25.036 -19.997 -14.898 -5.043 -5.043 -6.034 -6.034 -6.034 -6.034 

10,6

n (din

REPERENCE DATA

(31,0533) (31,00,75

### TALE ISOLATED SOLID ROCKET BOOSTER(SB) W/PLUMES

PTOTAL = 28.900 PCHMGR = 15.0.00 ATAINETRIC DATA 4.510 .000 MACH PETA

99EF = 2690.0000 SQ.FT. > LREF = 1290.3000 INCHES > SCALE = .0100

- 1187.0000 IN. X9 - 3000 IN. Y5 - 400.0000 IN. Z5 

RN/L . 1.77 RUN HO. 1017/ 0

¥ÇH	ALPHA	ક	ş	5	Z.
4.510	-30.000	14304	02617	.00625	.00378
4.510	-24.892	11981	03101	.00413	,0000°.
4.510	-19.979	10087	0295	96100	.00838
4.510	-14.992	1883	02502	.00741	.0038
4.510	-9,993	06814	02214	表5.	18700.
4.510	-3.048	0+247	-, 02032	55710.	98+00.
4.510	040	01743	01351	88410.	PC 400 .
4.510	€. 999	61010.	00671	.01395	<b>\$6</b> +00 ·
4.510	9.972	. 04322	. 0007 <b>2</b>	.01487	.00221
4.510	14.997	76570.	-, 00045	. 02078	.00193

# IAI3 ISOLATED SOLID ROCKET BOOSTERISBIH/PLUPES

(RTJ534) (31 JUL 75

PTOTAL = 28.900 PCHPBR = 1500.000 PARAMETRIC DATA 5.000 #ACH 8614

RUN NO. 1023/ 0

CYN . 00244 . 00348 . 00243 . 00024 . 00044 . 00044 -.02925 -.02488 -.01541 -.01442 -.03820 -.01087 -.01507 . 18031 . 13916 . 12061 . 10280 . 07849 . 05319 . 05319 . 06349 . 06245 . 04245 8 ALPHA -30.003 -27.990 -16.993 -9.993 -5.047 -0.094 -0.094 -0.997 

# 1167.0000 IN. XS # .0000 IN. YS # 400.0000 IN. ZS 4 × × - 2000.0000 50.FT. - 1890.3000 INCHES - 1290.3000 INCHES E - .0100

REFERENCE DATA

SCALE .

REFERENCE DATA

(RTJ635) ( 31 JUL 75

### IAIS ISOLATED SOLID ROCKET BOOSTER(SB)H/PLUMES

PARAMETRIC DATA

PTOTAL • 28.900 PCHEBR • 1500.000 4.510 MACH

RUN NO. 1029/

.00102 -.00288 -.00434 -.00410 -.00113 .00504 .00508 .00608 -.07338 -.06143 -.05045 -.04179 -.03862 -.04627 -.05081 C√ -.0779 -.01950 -.01971 -.01871 -.01539 -.01539 -.0173 -.0173 -.0038 CN -.21457 -.18937 -.15071 -.08766 -.12381 ALPHA -30.021 -24.986 -19.390 -14.999 

ISOLATED SOLID ROCKET BOOSTERISBIH/PLUNES E | Y |

よる (RTJ536) (31

28.900 1500.000 PTOTAL ... 4.510 20.000 MACH BETA

PARAMETRIC DATA

RUN NO. 1035/ 0

.01601 .00780 -.00102 -.01172 -.01340 -.01235 -.00556 -.00280 -.31709 -.25388 -.19784 -.15484 -.08416 -.05376 -.00915 .03627 ALP44 -30 .020 -24 .987 -19 .994 -14 .998 -9 .936 -5 .034 - .067 - .067 - .067 - .067 - .067 - .067 

DATE 02 AUG 75

do. f.

IAI3 SOURCE DATA

- 1167.0000 IN. XS - .0000 IN. YS - 400.0000 IN. ZS 

SREF = 2890.0000 SQ.FT. LREF = 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100

-.06060 -.03115 .01056 .04197 -9.999 -5.041 -.075 -.017 9.971 14.995

REFERENCE DATA

- 1:67.0000 IN. XS - .0000 IN. YS - 400.0000 IN. ZS d 44.2

SREF = 2890.0000 SQ.FT. LREF x 1290.3000 INCHES BREF = 1290.3000 INCHES SCALE = .0100